

Maths: Number Knowledge 4A

Name _____ Date _____ Score _____

$8 + 2 =$	$4 + 4 =$	$6 - 3 =$	$10 - 9 =$	Double 5 =
$5 + 5 =$	$9 + 1 =$	$3 + 7 =$	Halve 4 =	$9 - 3 =$
$4 + 6 =$	$\frac{1}{2}$ of 10 =	$10 - 4 =$	$1 + 1 =$	$\frac{1}{2}$ of 4 =
Halve 10 =	$0 + 10 =$	Double 4 =	$6 + 4 =$	$10 - 2 =$
$10 + 0 =$	$3 + 2 =$	$10 - 3 =$	Halve 2 =	$8 - 2 =$
$\frac{1}{2}$ of 6 =	Double 3 =	$9 - 4 =$	$10 - 0 =$	$4 + 5 =$
$7 + 3 =$	$6 + 4 =$	$1 + 9 =$	$7 + 2 =$	$\frac{1}{2}$ of 2 =
$2 + 2 =$	$5 + 3 =$	$\frac{1}{2}$ of 8 =	Double 1 =	$10 - 6 =$
$2 + 8 =$	Halve 6 =	$10 - 8 =$	$3 + 3 =$	Halve 8 =
Double 2 =	$10 - 1 =$	$10 - 5 =$	$10 - 7 =$	$10 - 10 =$

- Number families & basic add / sub to 10.
- Halve / double to 10.

Maths: Number Knowledge 4A

Name _____ Date _____ Score _____

$8 + 2 =$	$4 + 4 =$	$6 - 3 =$	$10 - 9 =$	Double 5 =
$5 + 5 =$	$9 + 1 =$	$3 + 7 =$	Halve 4 =	$9 - 3 =$
$4 + 6 =$	$\frac{1}{2}$ of 10 =	$10 - 4 =$	$1 + 1 =$	$\frac{1}{2}$ of 4 =
Halve 10 =	$0 + 10 =$	Double 4 =	$6 + 4 =$	$10 - 2 =$
$10 + 0 =$	$3 + 2 =$	$10 - 3 =$	Halve 2 =	$8 - 2 =$
$\frac{1}{2}$ of 6 =	Double 3 =	$9 - 4 =$	$10 - 0 =$	$4 + 5 =$
$7 + 3 =$	$6 + 4 =$	$1 + 9 =$	$7 + 2 =$	$\frac{1}{2}$ of 2 =
$2 + 2 =$	$5 + 3 =$	$\frac{1}{2}$ of 8 =	Double 1 =	$10 - 6 =$
$2 + 8 =$	Halve 6 =	$10 - 8 =$	$3 + 3 =$	Halve 8 =
Double 2 =	$10 - 1 =$	$10 - 5 =$	$10 - 7 =$	$10 - 10 =$

- Number families & basic add / sub to 10.
- Halve / double to 10.

Maths: Number Knowledge 4B

Name _____ Date _____ Score _____

___ + 4 = 10	3 + ___ = 7	___ - 3 = 5	10 - ___ = 3	Double ___ = 8
5 + ___ = 10	6 + ___ = 6	___ + 7 = 9	Halve ___ = 2	___ - 3 = 6
___ + 7 = 10	$\frac{1}{2}$ of ___ = 5	___ - 4 = 9	1 + ___ = 1	$\frac{1}{2}$ of ___ = 4
Halve ___ = 4	___ + 8 = 8	Double ___ = 4	___ + 4 = 5	___ - 2 = 5
8 + ___ = 8	___ + 2 = 7	___ - 2 = 8	Halve ___ = 4	8 - ___ = 6
$\frac{1}{2}$ of ___ = 2	Double ___ = 8	9 - ___ = 4	___ - 0 = 10	___ + 5 = 7
___ + 5 = 7	6 + ___ = 9	1 + ___ = 7	7 + ___ = 10	$\frac{1}{2}$ of ___ = 1
___ + 1 = 4	___ + 4 = 5	$\frac{1}{2}$ of ___ = 5	Double ___ = 6	___ - 6 = 4
1 + ___ = 9	Halve ___ = 2	___ - 3 = 4	___ + 3 = 8	Halve ___ = 2
Double ___ = 6	10 - ___ = 9	___ - 5 = 2	___ - 7 = 1	10 - ___ = 0

- Number families & basic add / sub to 10 WITH MISSING VALUES
- Halve / double to 10. WITH MISSING VALUES.

Maths: Number Knowledge 4B

Name _____ Date _____ Score _____

___ + 4 = 10	3 + ___ = 7	___ - 3 = 5	10 - ___ = 3	Double ___ = 8
5 + ___ = 10	6 + ___ = 6	___ + 7 = 9	Halve ___ = 2	___ - 3 = 6
___ + 7 = 10	$\frac{1}{2}$ of ___ = 5	___ - 4 = 9	1 + ___ = 1	$\frac{1}{2}$ of ___ = 4
Halve ___ = 4	___ + 8 = 8	Double ___ = 4	___ + 4 = 5	___ - 2 = 5
8 + ___ = 8	___ + 2 = 7	___ - 2 = 8	Halve ___ = 4	8 - ___ = 6
$\frac{1}{2}$ of ___ = 2	Double ___ = 8	9 - ___ = 4	___ - 0 = 10	___ + 5 = 7
___ + 5 = 7	6 + ___ = 9	1 + ___ = 7	7 + ___ = 10	$\frac{1}{2}$ of ___ = 1
___ + 1 = 4	___ + 4 = 5	$\frac{1}{2}$ of ___ = 5	Double ___ = 6	___ - 6 = 4
1 + ___ = 9	Halve ___ = 2	___ - 3 = 4	___ + 3 = 8	Halve ___ = 2
Double ___ = 6	10 - ___ = 9	___ - 5 = 2	___ - 7 = 1	10 - ___ = 0

- Number families & basic add / sub to 10 WITH MISSING VALUES
- Halve / double to 10. WITH MISSING VALUES.

Maths: Number Knowledge 4C

Name _____ Date _____ Score _____

$13 - 8 =$	$15 - \underline{\quad} = 13$	$12 - 6 =$	$\frac{1}{2}$ of $8 =$	$\underline{\quad} - 6 = 9$
$11 - \underline{\quad} = 7$	$\underline{\quad} + 3 = 12$	$13 - 4 =$	$\underline{\quad} + 7 = 13$	Double $6 =$
Double $4 =$	$8 - \underline{\quad} = 2$	$\underline{\quad} + 4 = 11$	Double $5 =$	$\underline{\quad} - 9 = 4$
$\underline{\quad} + 8 = 15$	Halve $10 =$	$\frac{1}{2}$ of $\underline{\quad} = 7$	$13 + 2 =$	$6 + 5 =$
$9 + 5 =$	$\frac{1}{2}$ of $2 =$	$9 + 6 =$	$\underline{\quad} + 9 = 13$	$11 - 7 =$
$15 - 4 =$	$15 - 13 =$	Halve $12 =$	$\underline{\quad} + 8 = 11$	$\underline{\quad} + 7 = 15$
$\underline{\quad} + 6 = 12$	$\underline{\quad} + 9 = 14$	$\underline{\quad} - 9 = 6$	$15 - 10 =$	$14 - 7 =$
$6 + 9 =$	$4 + 7 =$	$14 - \underline{\quad} = 5$	Halve $\underline{\quad} = 4$	Halve $\underline{\quad} = 7$
$14 - 8 =$	$15 - 7 =$	$\frac{1}{2}$ of $\underline{\quad} = 6$	$\frac{1}{2}$ of $10 =$	$15 - 8 =$
$\frac{1}{2}$ of $\underline{\quad} = 2$	$\underline{\quad} + 7 = 14$	Double $3 =$	$14 - \underline{\quad} = 11$	$\frac{1}{2}$ of $\underline{\quad} = 3$

- Number families & basic add / sub to 15.
- Halve / double to 14.

Maths: Number Knowledge 4C

Name _____ Date _____ Score _____

$13 - 8 =$	$15 - \underline{\quad} = 13$	$12 - 6 =$	$\frac{1}{2}$ of $8 =$	$\underline{\quad} - 6 = 9$
$11 - \underline{\quad} = 7$	$\underline{\quad} + 3 = 12$	$13 - 4 =$	$\underline{\quad} + 7 = 13$	Double $6 =$
Double $4 =$	$8 - \underline{\quad} = 2$	$\underline{\quad} + 4 = 11$	Double $5 =$	$\underline{\quad} - 9 = 4$
$\underline{\quad} + 8 = 15$	Halve $10 =$	$\frac{1}{2}$ of $\underline{\quad} = 7$	$13 + 2 =$	$6 + 5 =$
$9 + 5 =$	$\frac{1}{2}$ of $2 =$	$9 + 6 =$	$\underline{\quad} + 9 = 13$	$11 - 7 =$
$15 - 4 =$	$15 - 13 =$	Halve $12 =$	$\underline{\quad} + 8 = 11$	$\underline{\quad} + 7 = 15$
$\underline{\quad} + 6 = 12$	$\underline{\quad} + 9 = 14$	$\underline{\quad} - 9 = 6$	$15 - 10 =$	$14 - 7 =$
$6 + 9 =$	$4 + 7 =$	$14 - \underline{\quad} = 5$	Halve $\underline{\quad} = 4$	Halve $\underline{\quad} = 7$
$14 - 8 =$	$15 - 7 =$	$\frac{1}{2}$ of $\underline{\quad} = 6$	$\frac{1}{2}$ of $10 =$	$15 - 8 =$
$\frac{1}{2}$ of $\underline{\quad} = 2$	$\underline{\quad} + 7 = 14$	Double $3 =$	$14 - \underline{\quad} = 11$	$\frac{1}{2}$ of $\underline{\quad} = 3$

- Number families & basic add / sub to 15.
- Halve / double to 14.

Maths: Number Knowledge 4D

Name _____ Date _____ Score _____

_____ + 13 = 20	20 - 14 =	_____ - 5 = 14	Halve of 10 =	20 - 9 =
20 - 6 =	11 + 9 =	13 - 4 =	_____ - 10 = 10	_____ - 8 = 6
12 + _____ = 19	_____ + 12 = 20	20 - 11 =	$\frac{1}{2}$ of _____ = 6	13 - 9 =
13 + 7 =	14 + 6 =	20 - _____ = 13	20 - 12 =	6 + 14 =
9 + 5 =	_____ - 8 = 12	20 - 13 =	4 + 9 =	13 + 7 =
Double _____ = 8	20 - 12 =	Double _____ = 12	_____ + 9 = 20	_____ + 15 = 20
12 + 8 =	5 + _____ = 14	15 + 5 =	20 - 13 =	$\frac{1}{2}$ of 8 =
$\frac{1}{2}$ of 6 =	6 + 14 =	14 - _____ = 5	_____ + 11 = 20	8 + _____ = 20
_____ - 15 = 5	$\frac{1}{2}$ of _____ = 7	_____ - 14 = 3	20 - 12 =	Double 7 =
_____ - 11 = 9	20 - 6 =	Halve of 10 =	_____ + 6 = 20	20 - _____ = 13

- Number families & basic add / sub to 20, including with missing values.
- Teen number facts (13 + 5)

Maths: Number Knowledge 4D

Name _____ Date _____ Score _____

_____ + 13 = 20	20 - 14 =	_____ - 5 = 14	Halve of 10 =	20 - 9 =
20 - 6 =	11 + 9 =	13 - 4 =	_____ - 10 = 10	_____ - 8 = 6
12 + _____ = 19	_____ + 12 = 20	20 - 11 =	$\frac{1}{2}$ of _____ = 6	13 - 9 =
13 + 7 =	14 + 6 =	20 - _____ = 13	20 - 12 =	6 + 14 =
9 + 5 =	_____ - 8 = 12	20 - 13 =	4 + 9 =	13 + 7 =
Double _____ = 8	20 - 12 =	Double _____ = 12	_____ + 9 = 20	_____ + 15 = 20
12 + 8 =	5 + _____ = 14	15 + 5 =	20 - 13 =	$\frac{1}{2}$ of 8 =
$\frac{1}{2}$ of 6 =	6 + 14 =	14 - _____ = 5	_____ + 11 = 20	8 + _____ = 20
_____ - 15 = 5	$\frac{1}{2}$ of _____ = 7	_____ - 14 = 3	20 - 12 =	Double 7 =
_____ - 11 = 9	20 - 6 =	Halve of 10 =	_____ + 6 = 20	20 - _____ = 13

- Number families & basic add / sub to 20, including with missing values.
- Teen number facts (13 + 5)

Maths: Number Knowledge 4E

Name _____ Date _____ Score _____

_____ + 9 = 19	80 + 20 =	Halve _____ = 8	14 - 9 =	Double 10 =
Double 9 =	_____ - 30 = 70	13 - 4 =	100 - 50 =	_____ + 10 = 100
19 - 5 =	$\frac{1}{2}$ of 16 =	_____ - 10 = 8	_____ + 40 = 100	13 - 9 =
8 + 9 =	50 + _____ = 100	100 - 70 =	100 - 90 =	18 - 7 =
_____ + 5 = 14	10 + 90 =	Double 8 =	4 + 9 =	$\frac{1}{2}$ of _____ = 10
40 + 60 =	Halve 18 =	_____ - 11 = 8	_____ + 30 = 100	100 - 40 =
7 + 9 =	5 + _____ = 14	_____ + 11 = 13	$\frac{1}{2}$ of 18 =	18 - 6 =
20 + 80 =	100 - 10 =	14 - 9 =	_____ - 6 = 11	Halve _____ = 7
8 + _____ = 15	$\frac{1}{2}$ of _____ = 7	100 - 60 =	Halve 20 =	Double 7 =
Double 6 =	30 + 70 =	100 - 80 =	14 - _____ = 9	_____ - 20 = 80

- Double / halve to 20.
- Multiples of 10 that add to make 100 (40 + 60) including with missing values.

Maths: Number Knowledge 4E

Name _____ Date _____ Score _____

_____ + 9 = 19	80 + 20 =	Halve _____ = 8	14 - 9 =	Double 10 =
Double 9 =	_____ - 30 = 70	13 - 4 =	100 - 50 =	_____ + 10 = 100
19 - 5 =	$\frac{1}{2}$ of 16 =	_____ - 10 = 8	_____ + 40 = 100	13 - 9 =
8 + 9 =	50 + _____ = 100	100 - 70 =	100 - 90 =	18 - 7 =
_____ + 5 = 14	10 + 90 =	Double 8 =	4 + 9 =	$\frac{1}{2}$ of _____ = 10
40 + 60 =	Halve 18 =	_____ - 11 = 8	_____ + 30 = 100	100 - 40 =
7 + 9 =	5 + _____ = 14	_____ + 11 = 13	$\frac{1}{2}$ of 18 =	18 - 6 =
20 + 80 =	100 - 10 =	14 - 9 =	_____ - 6 = 11	Halve _____ = 7
8 + _____ = 15	$\frac{1}{2}$ of _____ = 7	100 - 60 =	Halve 20 =	Double 7 =
Double 6 =	30 + 70 =	100 - 80 =	14 - _____ = 9	_____ - 20 = 80

- Double / halve to 20.
- Multiples of 10 that add to make 100 (40 + 60) including with missing values.

Maths: Number Knowledge 4F

Name _____ Date _____ Score _____

$46 = 40 + \underline{\quad}$	$35 = 30 + \underline{\quad}$	$34 = \underline{\quad} + 4$	$83 = 80 + \underline{\quad}$
$50 + 3 =$	$3 \text{ tens} + 5 \text{ ones} =$	$12 = \underline{\quad} + 2$	$7 \text{ tens} + \underline{\quad} \text{ ones} = 75$
$2 \text{ tens} + 6 \text{ ones} =$	$62 = \underline{\quad} + 2$	$\underline{\quad} \text{ tens} + 8 \text{ ones} = 78$	$60 = 6 \text{ tens} + \underline{\quad} \text{ ones}$
$41 = \underline{\quad} + 1$	$80 + 8 =$	$42 = \underline{\quad} \text{ tens} + \underline{\quad} \text{ ones}$	$1 \text{ tens} + 6 \text{ ones} =$
$\underline{\quad} \text{ tens} + 3 \text{ ones} = 33$	$\underline{\quad} \text{ tens} + 6 \text{ ones} = 56$	$\underline{\quad} \text{ tens} + 3 \text{ ones} = 83$	$76 = \underline{\quad} + 6$
$80 + 1 =$	$10 + 3 =$	$57 = \underline{\quad} \text{ tens} + \underline{\quad} \text{ ones}$	$24 = \underline{\quad} + 4$
$84 = \underline{\quad} + 4$	$\underline{\quad} \text{ tens} + 1 \text{ one} = 91$	$51 = 50 + \underline{\quad}$	$2 \text{ tens} + 2 \text{ ones} =$
$5 \text{ tens} + 3 \text{ ones} =$	$82 = \underline{\quad} \text{ tens} + \underline{\quad} \text{ ones}$	$\underline{\quad} \text{ tens} + 3 \text{ ones} = 43$	$95 = \underline{\quad} + 5$
$70 + 5 =$	$6 \text{ tens} + 4 \text{ ones} =$	$9 \text{ tens} + 1 \text{ ones} =$	$80 + 9 =$
$\underline{\quad} \text{ tens} + 9 \text{ ones} = 79$	$77 = \underline{\quad} + 7$	$11 = \underline{\quad} \text{ ten} + \underline{\quad} \text{ one}$	$7 \text{ tens} + 7 \text{ ones} =$

- Place value up to 100 (e.g. $45 = 40 + 5$)

Maths: Number Knowledge 4F

Name _____ Date _____ Score _____

$46 = 40 + \underline{\quad}$	$35 = 30 + \underline{\quad}$	$34 = \underline{\quad} + 4$	$83 = 80 + \underline{\quad}$
$50 + 3 =$	$3 \text{ tens} + 5 \text{ ones} =$	$12 = \underline{\quad} + 2$	$7 \text{ tens} + \underline{\quad} \text{ ones} = 75$
$2 \text{ tens} + 6 \text{ ones} =$	$62 = \underline{\quad} + 2$	$\underline{\quad} \text{ tens} + 8 \text{ ones} = 78$	$60 = 6 \text{ tens} + \underline{\quad} \text{ ones}$
$41 = \underline{\quad} + 1$	$80 + 8 =$	$42 = \underline{\quad} \text{ tens} + \underline{\quad} \text{ ones}$	$1 \text{ tens} + 6 \text{ ones} =$
$\underline{\quad} \text{ tens} + 3 \text{ ones} = 33$	$\underline{\quad} \text{ tens} + 6 \text{ ones} = 56$	$\underline{\quad} \text{ tens} + 3 \text{ ones} = 83$	$76 = \underline{\quad} + 6$
$80 + 1 =$	$10 + 3 =$	$57 = \underline{\quad} \text{ tens} + \underline{\quad} \text{ ones}$	$24 = \underline{\quad} + 4$
$84 = \underline{\quad} + 4$	$\underline{\quad} \text{ tens} + 1 \text{ one} = 91$	$51 = 50 + \underline{\quad}$	$2 \text{ tens} + 2 \text{ ones} =$
$5 \text{ tens} + 3 \text{ ones} =$	$82 = \underline{\quad} \text{ tens} + \underline{\quad} \text{ ones}$	$\underline{\quad} \text{ tens} + 3 \text{ ones} = 43$	$95 = \underline{\quad} + 5$
$70 + 5 =$	$6 \text{ tens} + 4 \text{ ones} =$	$9 \text{ tens} + 1 \text{ ones} =$	$80 + 9 =$
$\underline{\quad} \text{ tens} + 9 \text{ ones} = 79$	$77 = \underline{\quad} + 7$	$11 = \underline{\quad} \text{ ten} + \underline{\quad} \text{ one}$	$7 \text{ tens} + 7 \text{ ones} =$

- Place value up to 100 (e.g. $45 = 40 + 5$)

Maths: Number Knowledge 4G

Name _____ Date _____ Score _____

$20 + 13 =$	$43 + 20 =$	$60 + 14 =$	$55 + 40 =$	$40 + 44 =$
$43 + \underline{\quad} = 73$	$22 + 20 =$	$72 - 30 =$	$30 + 56 =$	$80 + 19 =$
$\underline{\quad} + 33 = 63$	$\underline{\quad} + 65 = 95$	$45 + 40 =$	$65 - 50 =$	$\underline{\quad} - 50 = 42$
$43 + 50 =$	$67 - 20 =$	$\underline{\quad} - 40 = 18$	$\underline{\quad} - 30 = 55$	$50 + 32 =$
$64 + \underline{\quad} = 84$	$76 + 10 =$	$41 + 30 =$	$20 + 37 =$	$89 - 40 =$
$30 + 12 =$	$44 + \underline{\quad} = 84$	$92 - \underline{\quad} = 62$	$\underline{\quad} - 50 = 32$	$78 - \underline{\quad} = 28$
$95 - 50 =$	$30 + 67 =$	$68 - \underline{\quad} = 28$	$67 + 20 =$	$97 - \underline{\quad} = 37$
$20 + 11 =$	$72 - 60 =$	$20 + 16 =$	$93 - 60 =$	$41 + 40 =$
$54 - 20 =$	$31 + 40 =$	$10 + 79 =$	$30 + 62 =$	$83 - \underline{\quad} = 23$
$13 + 40 =$	$89 - \underline{\quad} = 69$	$\underline{\quad} - 10 = 78$	$\underline{\quad} - 60 = 21$	$50 + 26 =$

- Counting forward and back in tens from different start numbers.
- Adding multiples of 10 to tens & ones (to 100)

Maths: Number Knowledge 4G

Name _____ Date _____ Score _____

$20 + 13 =$	$43 + 20 =$	$60 + 14 =$	$55 + 40 =$	$40 + 44 =$
$43 + \underline{\quad} = 73$	$22 + 20 =$	$72 - 30 =$	$30 + 56 =$	$80 + 19 =$
$\underline{\quad} + 33 = 63$	$\underline{\quad} + 65 = 95$	$45 + 40 =$	$65 - 50 =$	$\underline{\quad} - 50 = 42$
$43 + 50 =$	$67 - 20 =$	$\underline{\quad} - 40 = 18$	$\underline{\quad} - 30 = 55$	$50 + 32 =$
$64 + \underline{\quad} = 84$	$76 + 10 =$	$41 + 30 =$	$20 + 37 =$	$89 - 40 =$
$30 + 12 =$	$44 + \underline{\quad} = 84$	$92 - \underline{\quad} = 62$	$\underline{\quad} - 50 = 32$	$78 - \underline{\quad} = 28$
$95 - 50 =$	$30 + 67 =$	$68 - \underline{\quad} = 28$	$67 + 20 =$	$97 - \underline{\quad} = 37$
$20 + 11 =$	$72 - 60 =$	$20 + 16 =$	$93 - 60 =$	$41 + 40 =$
$54 - 20 =$	$31 + 40 =$	$10 + 79 =$	$30 + 62 =$	$83 - \underline{\quad} = 23$
$13 + 40 =$	$89 - \underline{\quad} = 69$	$\underline{\quad} - 10 = 78$	$\underline{\quad} - 60 = 21$	$50 + 26 =$

- Counting forward and back in tens from different start numbers.
- Adding multiples of 10 to tens & ones (to 100)

Maths: Number Knowledge 4H

Name _____ Date _____ Score _____

_____ - 9 = 4	Halve _____ = 6	100 - 90 =	40 + 20 =	70 - 50 =
18 - 7 =	90 + 10 =	Halve 20 =	Double _____ = 8	_____ + 9 = 13
_____ + 60 = 90	50 - 10 =	Double _____ = 12	70 - _____ = 50	Halve 10 =
Double 2 =	$\frac{1}{2}$ of _____ = 10	70 + 30 =	Halve 16 =	_____ - 40 = 40
Double _____ = 14	Double 5 =	Double 1 =	90 - _____ = 60	$\frac{1}{2}$ of 14 =
Halve 8 =	60 - 20 =	Halve _____ = 7	Double 9 =	Halve _____ = 2
$\frac{1}{2}$ of _____ = 9	_____ - 6 = 11	14 - _____ = 5	Halve 6 =	Double 8 =
50 - 40 =	100 - 40 =	$\frac{1}{2}$ of 16 =	Double _____ = 6	100 - _____ = 50
18 - 6 =	_____ + 40 = 80	100 - _____ = 80	Halve 18 =	$\frac{1}{2}$ of 12 =
_____ + 50 = 90	Double _____ = 20	_____ + 40 = 100	14 - _____ = 9	_____ - 40 = 20

- Multiples of 10 that add to make up to 100 (50 + 30)
- Reinforce halve and double to 20.

Maths: Number Knowledge 4H

Name _____ Date _____ Score _____

_____ - 9 = 4	Halve _____ = 6	100 - 90 =	40 + 20 =	70 - 50 =
18 - 7 =	90 + 10 =	Halve 20 =	Double _____ = 8	_____ + 9 = 13
_____ + 60 = 90	50 - 10 =	Double _____ = 12	70 - _____ = 50	Halve 10 =
Double 2 =	$\frac{1}{2}$ of _____ = 10	70 + 30 =	Halve 16 =	_____ - 40 = 40
Double _____ = 14	Double 5 =	Double 1 =	90 - _____ = 60	$\frac{1}{2}$ of 14 =
Halve 8 =	60 - 20 =	Halve _____ = 7	Double 9 =	Halve _____ = 2
$\frac{1}{2}$ of _____ = 9	_____ - 6 = 11	14 - _____ = 5	Halve 6 =	Double 8 =
50 - 40 =	100 - 40 =	$\frac{1}{2}$ of 16 =	Double _____ = 6	100 - _____ = 50
18 - 6 =	_____ + 40 = 80	100 - _____ = 80	Halve 18 =	$\frac{1}{2}$ of 12 =
_____ + 50 = 90	Double _____ = 20	_____ + 40 = 100	14 - _____ = 9	_____ - 40 = 20

- Multiples of 10 that add to make up to 100 (50 + 30)
- Reinforce halve and double to 20.

Maths: Number Knowledge 4I FINAL CHALLENGE

Name _____ Date _____ Score _____

13 - ____ = 7	17 - ____ = 8	____ - 40 = 60	46 = ____ + 6	70 - ____ = 30
____ - 7 = 3	80 + ____ = 100	Halve ____ = 9	87 - ____ = 27	67 = 60 + ____
____ + 60 = 100	____ - 10 = 40	56 - ____ = 16	70 - ____ = 10	89 - 50 = ____
45 - ____ = 5	$\frac{1}{2}$ of ____ = 9	82 = ____ + 2	100 - ____ = 30	80 - ____ = 20
Double ____ = 14	56 = 50 + ____	91 = 90 + ____	90 - 30 =	$\frac{1}{2}$ of 14 =
Halve ____ = 4	60 - ____ = 20	Halve ____ = 6	____ + 9 = 12	71 - ____ = 11
$\frac{1}{2}$ of 18 =	____ - 6 = 11	____ - 9 = 3	Double ____ = 18	63 - 60 = ____
____ - 40 = 70	100 - ____ = 40	$\frac{1}{2}$ of ____ = 7	32 = ____ + 2	100 - 50 =
18 - ____ = 12	73 - ____ = 3	____ - 30 = 70	Halve 18 =	$\frac{1}{2}$ of ____ = 6
____ + 50 = 90	____ - 50 = 15	81 + 40 =	____ - 5 = 9	____ - 40 = 30

- Reinforce ALL adding and subtracting within 20 and multiples of ten to 100.
- Reinforce doubling and halving to 20
- Reinforce place value to 100.

Maths: Number Knowledge 4I FINAL CHALLENGE

Name _____ Date _____ Score _____

13 - ____ = 7	17 - ____ = 8	____ - 40 = 60	46 = ____ + 6	70 - ____ = 30
____ - 7 = 3	80 + ____ = 100	Halve ____ = 9	87 - ____ = 27	67 = 60 + ____
____ + 60 = 100	____ - 10 = 40	56 - ____ = 16	70 - ____ = 10	89 - 50 = ____
45 - ____ = 5	$\frac{1}{2}$ of ____ = 9	82 = ____ + 2	100 - ____ = 30	80 - ____ = 20
Double ____ = 14	56 = 50 + ____	91 = 90 + ____	90 - 30 =	$\frac{1}{2}$ of 14 =
Halve ____ = 4	60 - ____ = 20	Halve ____ = 6	____ + 9 = 12	71 - ____ = 11
$\frac{1}{2}$ of 18 =	____ - 6 = 11	____ - 9 = 3	Double ____ = 18	63 - 60 = ____
____ - 40 = 70	100 - ____ = 40	$\frac{1}{2}$ of ____ = 7	32 = ____ + 2	100 - 50 =
18 - ____ = 12	73 - ____ = 3	____ - 30 = 70	Halve 18 =	$\frac{1}{2}$ of ____ = 6
____ + 50 = 90	____ - 50 = 15	81 + 40 =	____ - 5 = 9	____ - 40 = 30

- Reinforce ALL adding and subtracting within 20 and multiples of ten to 100.
- Reinforce doubling and halving to 20
- Reinforce place value to 100.

Maths: Number Knowledge 5A: Number Bonds

Name _____ Date _____ Score _____

Double 8 =	_____ + 7 = 21	_____ + 600 = 1000	900 + 100 =	30 - 19 =
13 + _____ = 21	100 + 900 =	16 + 7 =	29 - 18 =	$\frac{1}{2}$ of _____ = 6
$\frac{1}{2}$ of 14 =	1000 - _____ = 300	_____ + 15 = 27	$\frac{1}{2}$ of _____ = 8	1000 - 300 =
800 + 200 =	Double 7 =	500 + 500 =	19 + _____ = 25	13 + _____ = 20
18 - _____ = 12	$\frac{1}{2}$ of 20 =	1000 - 900 =	Double 9 =	Halve of 8 =
Halve of 10 =	18 + 6 =	Halve of _____ = 3	700 + 300 =	1000 - 800 =
30 - _____ = 19	Double 6 =	300 + 700 =	_____ - 13 = 14	25 - 13 =
1000 - 500 =	_____ - 200 = 800	25 - 17 =	$\frac{1}{2}$ of 10 =	$\frac{1}{2}$ of 18 =
14 + 9 =	9 + 16 =	1000 - _____ = 400	13 + 5 =	_____ + 9 = 22
1000 - _____ = 900	_____ - 7 = 16	29 - 17 =	_____ + 800 = 1000	_____ - 400 = 600

- Teen number facts (up to 30)
- Multiples of 100 that add to 1000 (700 + 300)

Maths: Number Knowledge 5A: Number Bonds

Name _____ Date _____ Score _____

Double 8 =	_____ + 7 = 21	_____ + 600 = 1000	900 + 100 =	30 - 19 =
13 + _____ = 21	100 + 900 =	16 + 7 =	29 - 18 =	$\frac{1}{2}$ of _____ = 6
$\frac{1}{2}$ of 14 =	1000 - _____ = 300	_____ + 15 = 27	$\frac{1}{2}$ of _____ = 8	1000 - 300 =
800 + 200 =	Double 7 =	500 + 500 =	19 + _____ = 25	13 + _____ = 20
18 - _____ = 12	$\frac{1}{2}$ of 20 =	1000 - 900 =	Double 9 =	Halve of 8 =
Halve of 10 =	18 + 6 =	Halve of _____ = 3	700 + 300 =	1000 - 800 =
30 - _____ = 19	Double 6 =	300 + 700 =	_____ - 13 = 14	25 - 13 =
1000 - 500 =	_____ - 200 = 800	25 - 17 =	$\frac{1}{2}$ of 10 =	$\frac{1}{2}$ of 18 =
14 + 9 =	9 + 16 =	1000 - _____ = 400	13 + 5 =	_____ + 9 = 22
1000 - _____ = 900	_____ - 7 = 16	29 - 17 =	_____ + 800 = 1000	_____ - 400 = 600

- Teen number facts (up to 30)
- Multiples of 100 that add to 1000 (700 + 300)

Maths: Number Knowledge 5B: 2 x tables

Name _____ Date _____ Score _____

$10 \times 2 =$	$20 \div 2 =$	$9 \times 2 =$	$7 \times 2 =$	$18 \div 2 =$
$6 \div 2 =$	$2 \times 4 =$	$4 \div 2 =$	$22 \div 2 =$	$2 \times 3 =$
$11 \times 2 =$	$1 \times 2 =$	$2 \times 5 =$	$2 \times 1 =$	$2 \times 7 =$
$6 \times 2 =$	$14 \div 7 =$	$16 \div 2 =$	$20 \div 2 =$	$8 \div 2 =$
$24 \div 2 =$	$13 \times 2 =$	$2 \div 2 =$	$2 \times 6 =$	$10 \div 5 =$
$2 \times 2 =$	$5 \times 2 =$	$14 \div 2 =$	$8 \div 4 =$	$24 \div 12 =$
$26 \div 2 =$	$10 \div 2 =$	$4 \times 2 =$	$2 \times 9 =$	$8 \times 2 =$
$16 \div 8 =$	$12 \times 2 =$	$18 \div 9 =$	$2 \times 8 =$	$2 \div 1 =$
$2 \times 11 =$	$3 \times 2 =$	$12 \div 6 =$	$6 \div 3 =$	$22 \div 11 =$
$2 \times 13 =$	$26 \div 13 =$	$2 \times 10 =$	$12 \div 2 =$	$2 \times 12 =$

- 2 x tables

Maths: Number Knowledge 5B: 2 x tables

Name _____ Date _____ Score _____

$10 \times 2 =$	$20 \div 2 =$	$9 \times 2 =$	$7 \times 2 =$	$18 \div 2 =$
$6 \div 2 =$	$2 \times 4 =$	$4 \div 2 =$	$22 \div 2 =$	$2 \times 3 =$
$11 \times 2 =$	$1 \times 2 =$	$2 \times 5 =$	$2 \times 1 =$	$2 \times 7 =$
$6 \times 2 =$	$14 \div 7 =$	$16 \div 2 =$	$20 \div 2 =$	$8 \div 2 =$
$24 \div 2 =$	$13 \times 2 =$	$2 \div 2 =$	$2 \times 6 =$	$10 \div 5 =$
$2 \times 2 =$	$5 \times 2 =$	$14 \div 2 =$	$8 \div 4 =$	$24 \div 12 =$
$26 \div 2 =$	$10 \div 2 =$	$4 \times 2 =$	$2 \times 9 =$	$8 \times 2 =$
$16 \div 8 =$	$12 \times 2 =$	$18 \div 9 =$	$2 \times 8 =$	$2 \div 1 =$
$2 \times 11 =$	$3 \times 2 =$	$12 \div 6 =$	$6 \div 3 =$	$22 \div 11 =$
$2 \times 13 =$	$26 \div 13 =$	$2 \times 10 =$	$12 \div 2 =$	$2 \times 12 =$

- 2 x tables

Maths: Number Knowledge 5C: 10 x tables

Name _____ Date _____ Score _____

$10 \times 3 =$	$30 \div 10 =$	$10 \times 2 =$	$10 \times 12 =$	$50 \div 5 =$
$10 \times 6 =$	$10 \times 1 =$	$10 \times 9 =$	$10 \div 1 =$	$40 \div 4 =$
$60 \div 10 =$	$80 \div 8 =$	$100 \div 10 =$	$130 \div 10 =$	$130 \div 13 =$
$20 \div 10 =$	$10 \times 8 =$	$4 \times 10 =$	$110 \div 10$	$120 \div 12 =$
$10 \times 5 =$	$90 \div 10 =$	$120 \div 10 =$	$10 \times 11 =$	$12 \times 10 =$
$6 \times 10 =$	$10 \times 4 =$	$13 \times 10 =$	$10 \times 13 =$	$2 \times 10 =$
$40 \div 10 =$	$70 \div 10 =$	$1 \times 10 =$	$3 \times 10 =$	$10 \times 10 =$
$60 \div 6 =$	$90 \div 9 =$	$5 \times 10 =$	$50 \div 10 =$	$9 \times 10 =$
$10 \times 7 =$	$10 \times 10 =$	$70 \div 7 =$	$20 \div 2 =$	$10 \div 10 =$
$80 \div 10 =$	$100 \div 10 =$	$8 \times 10 =$	$30 \div 3 =$	$7 \times 10 =$

10 x table

Maths: Number Knowledge 5C: 10 x tables

Name _____ Date _____ Score _____

$10 \times 3 =$	$30 \div 10 =$	$10 \times 2 =$	$10 \times 12 =$	$50 \div 5 =$
$10 \times 6 =$	$10 \times 1 =$	$10 \times 9 =$	$10 \div 1 =$	$40 \div 4 =$
$60 \div 10 =$	$80 \div 8 =$	$100 \div 10 =$	$130 \div 10 =$	$130 \div 13 =$
$20 \div 10 =$	$10 \times 8 =$	$4 \times 10 =$	$110 \div 10$	$120 \div 12 =$
$10 \times 5 =$	$90 \div 10 =$	$120 \div 10 =$	$10 \times 11 =$	$12 \times 10 =$
$6 \times 10 =$	$10 \times 4 =$	$13 \times 10 =$	$10 \times 13 =$	$2 \times 10 =$
$40 \div 10 =$	$70 \div 10 =$	$1 \times 10 =$	$3 \times 10 =$	$10 \times 10 =$
$60 \div 6 =$	$90 \div 9 =$	$5 \times 10 =$	$50 \div 10 =$	$9 \times 10 =$
$10 \times 7 =$	$10 \times 10 =$	$70 \div 7 =$	$20 \div 2 =$	$10 \div 10 =$
$80 \div 10 =$	$100 \div 10 =$	$8 \times 10 =$	$30 \div 3 =$	$7 \times 10 =$

10 x table

Maths: Number Knowledge 5D: 5 x tables

Name _____ Date _____ Score _____

$4 \times 5 =$	$5 \times 5 =$	$10 \div 5 =$	$8 \times 5 =$	$25 \div 5 =$
$6 \times 5 =$	$5 \times 2 =$	$10 \times 5 =$	$50 \div 5 =$	$15 \div 5 =$
$1 \times 5 =$	$5 \times 8 =$	$7 \times 5 =$	$5 \div 5 =$	$5 \times 12 =$
$40 \div 8 =$	$30 \div 5 =$	$5 \times 11 =$	$60 \div 5 =$	$40 \div 5 =$
$45 \div 9 =$	$5 \times 3 =$	$5 \times 1 =$	$5 \times 6 =$	$55 \div 11 =$
$25 \div 5 =$	$5 \times 9 =$	$35 \div 7 =$	$65 \div 5 =$	$5 \times 4 =$
$10 \div 2 =$	$5 \div 1 =$	$50 \div 10 =$	$3 \times 5 =$	$11 \times 5 =$
$5 \times 10 =$	$55 \div 5 =$	$2 \times 5 =$	$5 \times 7 =$	$20 \div 4 =$
$15 \div 3 =$	$20 \div 5 =$	$45 \div 5 =$	$9 \times 5 =$	$30 \div 6 =$
$12 \times 5 =$	$13 \times 5 =$	$35 \div 5 =$	$5 \times 5 =$	$60 \div 12 =$

- 5 x tables

Maths: Number Knowledge 5D: 5 x tables

Name _____ Date _____ Score _____

$4 \times 5 =$	$5 \times 5 =$	$10 \div 5 =$	$8 \times 5 =$	$25 \div 5 =$
$6 \times 5 =$	$5 \times 2 =$	$10 \times 5 =$	$50 \div 5 =$	$15 \div 5 =$
$1 \times 5 =$	$5 \times 8 =$	$7 \times 5 =$	$5 \div 5 =$	$5 \times 12 =$
$40 \div 8 =$	$30 \div 5 =$	$5 \times 11 =$	$60 \div 5 =$	$40 \div 5 =$
$45 \div 9 =$	$5 \times 3 =$	$5 \times 1 =$	$5 \times 6 =$	$55 \div 11 =$
$25 \div 5 =$	$5 \times 9 =$	$35 \div 7 =$	$65 \div 5 =$	$5 \times 4 =$
$10 \div 2 =$	$5 \div 1 =$	$50 \div 10 =$	$3 \times 5 =$	$11 \times 5 =$
$5 \times 10 =$	$55 \div 5 =$	$2 \times 5 =$	$5 \times 7 =$	$20 \div 4 =$
$15 \div 3 =$	$20 \div 5 =$	$45 \div 5 =$	$9 \times 5 =$	$30 \div 6 =$
$12 \times 5 =$	$13 \times 5 =$	$35 \div 5 =$	$5 \times 5 =$	$60 \div 12 =$

- 5 x tables

Maths: Number Knowledge 5E: 2,5,10 x tables

Name _____ Date _____ Score _____

$2 \div 2 =$	$5 \times 2 =$	$14 \div 2 =$	$___ \div 5 = 3$	$10 \div 5 =$
$7 \times ___ = 35$	$5 \times 4 =$	10×5	$30 \div 6 =$	$___ \times 5 = 25$
$5 \times 11 =$	$___ \div 2 = 2$	$___ \times 5 = 20$	$14 \div 2 =$	$20 \div 4 =$
$6 \times 5 =$	$5 \times 3 =$	$14 \div ___ = 2$	$7 \times 2 =$	$15 \div 3 =$
$24 \div 2 =$	$25 \div 5 =$	$7 \times 2 =$	$2 \times 5 =$	$45 \div 5 =$
$___ \times 5 = 45$	$2 \times 1 =$	$70 \div 10 =$	$10 \div ___ = 5$	$10 \times 12 =$
$35 \div 7 =$	$8 \times ___ = 80$	$1 \times 2 =$	$30 \div 5 =$	$___ \div 9 = 5$
$5 \times 9 =$	$30 \div 10 =$	$___ \times 10 = 50$	$___ \times 5 = 15$	$2 \div 2 =$
$7 \times 5 =$	$6 \times 5 =$	$2 \times 7 =$	$20 \div 5 =$	$10 \div 10 =$
$35 \div ___ = 7$	$5 \times 5 =$	$50 \div 10 =$	$25 \div 5 =$	$7 \times ___ = 70$

- 2, 5 and 10x table

Maths: Number Knowledge 5E: 2,5,10 x tables

Name _____ Date _____ Score _____

$2 \div 2 =$	$5 \times 2 =$	$14 \div 2 =$	$___ \div 5 = 3$	$10 \div 5 =$
$7 \times ___ = 35$	$5 \times 4 =$	10×5	$30 \div 6 =$	$___ \times 5 = 25$
$5 \times 11 =$	$___ \div 2 = 2$	$___ \times 5 = 20$	$14 \div 2 =$	$20 \div 4 =$
$6 \times 5 =$	$5 \times 3 =$	$14 \div ___ = 2$	$7 \times 2 =$	$15 \div 3 =$
$24 \div 2 =$	$25 \div 5 =$	$7 \times 2 =$	$2 \times 5 =$	$45 \div 5 =$
$___ \times 5 = 45$	$2 \times 1 =$	$70 \div 10 =$	$10 \div ___ = 5$	$10 \times 12 =$
$35 \div 7 =$	$8 \times ___ = 80$	$1 \times 2 =$	$30 \div 5 =$	$___ \div 9 = 5$
$5 \times 9 =$	$30 \div 10 =$	$___ \times 10 = 50$	$___ \times 5 = 15$	$2 \div 2 =$
$7 \times 5 =$	$6 \times 5 =$	$2 \times 7 =$	$20 \div 5 =$	$10 \div 10 =$
$35 \div ___ = 7$	$5 \times 5 =$	$50 \div 10 =$	$25 \div 5 =$	$7 \times ___ = 70$

- 2, 5 and 10x table

Maths: Number Knowledge 5F: 2,5,10 x tables & fractions

Name _____ Date _____ Score _____/50

$\frac{1}{2}$ of 22 =	_____ $\div$ 5 = 2	$100 \div$ _____ = 10	$5 \times$ _____ = 35	$1/10$ of 30 =
$12 \div 2 =$	$\frac{1}{2}$ of _____ = 11	$\frac{1}{2}$ of 24 =	$1/10$ of 50 =	$\frac{1}{2}$ of _____ = 9
$55 \div 11 =$	_____ $\div$ 10 = 3	$35 \div 5 =$	_____ $\div$ 10 = 7	$80 \div$ _____ = 8
$1/5$ of 20 =	$14 \div$ _____ = 7	$1/5$ of 10 =	_____ $\times$ 5 = 40	$\frac{1}{2}$ of _____ = 12
$25 \div 5 =$	$\frac{1}{2}$ of _____ = 10	$10 \times$ _____ = 80	$1/5$ of 15 =	$50 \div 5 =$
$20 \div 5 =$	$70 \div$ _____ = 7	_____ $\div$ 5 = 6	$9 \times$ _____ = 18	$1/10$ of 60 =
$\frac{1}{2}$ of 12 =	$10 \div$ _____ = 2	$1/10$ of 40 =	_____ $\div$ 5 = 6	$8 \times$ _____ = 40
_____ $\div$ 5 = 3	$1/5$ of 25 =	$60 \div$ _____ = 6	$3 \times$ _____ = 30	$1/5$ of 30 =
$1/10$ of 20 =	$30 \div 5 =$	$45 \div 5 =$	$\frac{1}{2}$ of _____ = 8	_____ $\div$ 10 = 8
_____ $\div$ 5 = 10	$1/10$ of 80 =	$1/5$ of 50 =	$40 \div 5 =$	$\frac{1}{2}$ of _____ = 10

- 2, 5 and 10x table
- Fractions

Maths: Number Knowledge 5F: 2,5,10 x tables & fractions

Name _____ Date _____ Score _____/50

$\frac{1}{2}$ of 22 =	_____ $\div$ 5 = 2	$100 \div$ _____ = 10	$5 \times$ _____ = 35	$1/10$ of 30 =
$12 \div 2 =$	$\frac{1}{2}$ of _____ = 11	$\frac{1}{2}$ of 24 =	$1/10$ of 50 =	$\frac{1}{2}$ of _____ = 9
$55 \div 11 =$	_____ $\div$ 10 = 3	$35 \div 5 =$	_____ $\div$ 10 = 7	$80 \div$ _____ = 8
$1/5$ of 20 =	$14 \div$ _____ = 7	$1/5$ of 10 =	_____ $\times$ 5 = 40	$\frac{1}{2}$ of _____ = 12
$25 \div 5 =$	$\frac{1}{2}$ of _____ = 10	$10 \times$ _____ = 80	$1/5$ of 15 =	$50 \div 5 =$
$20 \div 5 =$	$70 \div$ _____ = 7	_____ $\div$ 5 = 6	$9 \times$ _____ = 18	$1/10$ of 60 =
$\frac{1}{2}$ of 12 =	$10 \div$ _____ = 2	$1/10$ of 40 =	_____ $\div$ 5 = 6	$8 \times$ _____ = 40
_____ $\div$ 5 = 3	$1/5$ of 25 =	$60 \div$ _____ = 6	$3 \times$ _____ = 30	$1/5$ of 30 =
$1/10$ of 20 =	$30 \div 5 =$	$45 \div 5 =$	$\frac{1}{2}$ of _____ = 8	_____ $\div$ 10 = 8
_____ $\div$ 5 = 10	$1/10$ of 80 =	$1/5$ of 50 =	$40 \div 5 =$	$\frac{1}{2}$ of _____ = 10

- 2, 5 and 10x table
- Fractions

Maths: Number Knowledge 5G: Number Bonds

Name _____ Date _____ Score _____

$12 + 28 =$	$900 - 300 =$	$400 + 100 =$	$50 - 17 =$	$300 + 500 =$
$100 + 400 =$	$200 + 700 =$	$50 - 22 =$	$11 + 19 =$	$50 - 28 =$
$31 + 19 =$	$400 + 200 =$	$600 - 400 =$	$500 - 100 =$	$25 + 15 =$
$50 - 13 =$	$39 + 11 =$	$50 - 35 =$	$600 + 300 =$	$900 - 400 =$
$300 + 600 =$	$50 - 12 =$	$23 + 17 =$	$13 + 37 =$	$800 - 700 =$
$900 - 200 =$	$15 + 35 =$	$50 - 38 =$	$50 - 31 =$	$50 - 39 =$
$22 + 28 =$	$19 + 31 =$	$800 - 500 =$	$700 + 200 =$	$50 - 37 =$
$37 + 3 =$	$50 - 15 =$	$50 - 11 =$	$600 - 200 =$	$500 + 300 =$
$200 + 400 =$	$800 - 300 =$	$900 - 700 =$	$50 - 33 =$	$50 - 19 =$
$17 + 23 =$	$500 + 400 =$	$900 - 600 =$	$500 - 400 =$	$18 + 12 =$

- Number bonds up to 50.
- Multiples of 100 that add up to 1000 ($700 + 300$)

Maths: Number Knowledge 5G: Number Bonds

Name _____ Date _____ Score _____

$12 + 28 =$	$900 - 300 =$	$400 + 100 =$	$50 - 17 =$	$300 + 500 =$
$100 + 400 =$	$200 + 700 =$	$50 - 22 =$	$11 + 19 =$	$50 - 28 =$
$31 + 19 =$	$400 + 200 =$	$600 - 400 =$	$500 - 100 =$	$25 + 15 =$
$50 - 13 =$	$39 + 11 =$	$50 - 35 =$	$600 + 300 =$	$900 - 400 =$
$300 + 600 =$	$50 - 12 =$	$23 + 17 =$	$13 + 37 =$	$800 - 700 =$
$900 - 200 =$	$15 + 35 =$	$50 - 38 =$	$50 - 31 =$	$50 - 39 =$
$22 + 28 =$	$19 + 31 =$	$800 - 500 =$	$700 + 200 =$	$50 - 37 =$
$37 + 3 =$	$50 - 15 =$	$50 - 11 =$	$600 - 200 =$	$500 + 300 =$
$200 + 400 =$	$800 - 300 =$	$900 - 700 =$	$50 - 33 =$	$50 - 19 =$
$17 + 23 =$	$500 + 400 =$	$900 - 600 =$	$500 - 400 =$	$18 + 12 =$

- Number bonds up to 50.
- Multiples of 100 that add up to 1000 ($700 + 300$)

Maths: Number Knowledge 5H: Number Bonds

Name _____ Date _____ Score _____

$9 + \underline{\quad} = 100$	$100 - 68 =$	$100 - 23 =$	$100 - 59 =$	$100 - 38 =$
$100 - 27 =$	$93 + \underline{\quad} = 100$	$100 - 75 =$	$100 - 89 =$	$34 + \underline{\quad} = 100$
$89 + \underline{\quad} = 100$	$38 + \underline{\quad} = 100$	$86 + \underline{\quad} = 100$	$27 + \underline{\quad} = 100$	$100 - 56 =$
$59 + \underline{\quad} = 100$	$67 + \underline{\quad} = 100$	$100 - 43 =$	$100 - 39 =$	$81 + \underline{\quad} = 100$
$100 - 78 =$	$23 + \underline{\quad} = 100$	$100 - 60 =$	$100 - 93 =$	$60 + \underline{\quad} = 100$
$54 + \underline{\quad} = 100$	$82 + \underline{\quad} = 100$	$54 + \underline{\quad} = 100$	$100 - 12 =$	$86 + \underline{\quad} = 100$
$100 - 54 =$	$56 + \underline{\quad} = 100$	$84 + \underline{\quad} = 100$	$75 + \underline{\quad} = 100$	$100 - 86 =$
$100 - 67 =$	$100 - 84 =$	$78 + \underline{\quad} = 100$	$100 - 76 =$	$100 - 34 =$
$43 + \underline{\quad} = 100$	$98 + \underline{\quad} = 100$	$100 - 21 =$	$100 - 54 =$	$100 - 86 =$
$21 + \underline{\quad} = 100$	$100 - 81 =$	$87 + \underline{\quad} = 100$	$68 + \underline{\quad} = 100$	$100 - 87 =$

- Number bonds up to 100

Maths: Number Knowledge 5H: Number Bonds

Name _____ Date _____ Score _____

$9 + \underline{\quad} = 100$	$100 - 68 =$	$100 - 23 =$	$100 - 59 =$	$100 - 38 =$
$100 - 27 =$	$93 + \underline{\quad} = 100$	$100 - 75 =$	$100 - 89 =$	$34 + \underline{\quad} = 100$
$89 + \underline{\quad} = 100$	$38 + \underline{\quad} = 100$	$86 + \underline{\quad} = 100$	$27 + \underline{\quad} = 100$	$100 - 56 =$
$59 + \underline{\quad} = 100$	$67 + \underline{\quad} = 100$	$100 - 43 =$	$100 - 39 =$	$81 + \underline{\quad} = 100$
$100 - 78 =$	$23 + \underline{\quad} = 100$	$100 - 60 =$	$100 - 93 =$	$60 + \underline{\quad} = 100$
$54 + \underline{\quad} = 100$	$82 + \underline{\quad} = 100$	$54 + \underline{\quad} = 100$	$100 - 12 =$	$86 + \underline{\quad} = 100$
$100 - 54 =$	$56 + \underline{\quad} = 100$	$84 + \underline{\quad} = 100$	$75 + \underline{\quad} = 100$	$100 - 86 =$
$100 - 67 =$	$100 - 84 =$	$78 + \underline{\quad} = 100$	$100 - 76 =$	$100 - 34 =$
$43 + \underline{\quad} = 100$	$98 + \underline{\quad} = 100$	$100 - 21 =$	$100 - 54 =$	$100 - 86 =$
$21 + \underline{\quad} = 100$	$100 - 81 =$	$87 + \underline{\quad} = 100$	$68 + \underline{\quad} = 100$	$100 - 87 =$

- Number bonds up to 100

Maths: Number Knowledge 5I: Making tens

Name _____ Date _____ Score ____/36____

$18 + \underline{\quad} = 22$	$\underline{\quad} + 29 = 33$	$28 + \underline{\quad} = 34$	$29 + 5 =$
$15 + 7 =$	$8 + 16 =$	$25 + 7 =$	$23 + \underline{\quad} = 32$
$17 + \underline{\quad} = 22$	$\underline{\quad} + 17 = 24$	$26 + \underline{\quad} = 32$	$8 + 13 =$
$25 + 8 =$	$27 + 8 =$	$\underline{\quad} + 27 = 31$	$\underline{\quad} + 17 = 23$
$8 + 17 =$	$\underline{\quad} + 22 = 31$	$19 + 6 =$	$18 + 6 =$
$\underline{\quad} + 26 = 33$	$14 + 7 =$	$34 + 7 =$	$\underline{\quad} + 16 = 21$
$19 + 5 =$	$\underline{\quad} + 13 = 22$	$3 + \underline{\quad} = 32$	$\underline{\quad} + 14 = 22$
$8 + 15 =$	$18 + 7 =$	$22 + \underline{\quad} = 31$	$28 + 7 =$
$24 + \underline{\quad} = 32$	$28 + \underline{\quad} = 33$	$24 + 7 =$	$23 + \underline{\quad} = 31$

- Using the 'making tens' strategy (totalling up to 40)
- Adding by using the nearest ten.

Maths: Number Knowledge 5I: Making tens

Name _____ Date _____ Score ____/36____

$18 + \underline{\quad} = 22$	$\underline{\quad} + 29 = 33$	$28 + \underline{\quad} = 34$	$29 + 5 =$
$15 + 7 =$	$8 + 16 =$	$25 + 7 =$	$23 + \underline{\quad} = 32$
$17 + \underline{\quad} = 22$	$\underline{\quad} + 17 = 24$	$26 + \underline{\quad} = 32$	$8 + 13 =$
$25 + 8 =$	$27 + 8 =$	$\underline{\quad} + 27 = 31$	$\underline{\quad} + 17 = 23$
$8 + 17 =$	$\underline{\quad} + 22 = 31$	$19 + 6 =$	$18 + 6 =$
$\underline{\quad} + 26 = 33$	$14 + 7 =$	$34 + 7 =$	$\underline{\quad} + 16 = 21$
$19 + 5 =$	$\underline{\quad} + 13 = 22$	$3 + \underline{\quad} = 32$	$\underline{\quad} + 14 = 22$
$8 + 15 =$	$18 + 7 =$	$22 + \underline{\quad} = 31$	$28 + 7 =$
$24 + \underline{\quad} = 32$	$28 + \underline{\quad} = 33$	$24 + 7 =$	$23 + \underline{\quad} = 31$

- Using the 'making tens' strategy (totalling up to 40)
- Adding by using the nearest ten.

Maths: Number Knowledge 5J: Making tens

Name _____ Date _____ Score ____/36____

$8 + 16 =$	$____ - 6 = 17$	$____ - 8 = 16$	$33 - 6 =$
$26 - ____ = 18$	$18 + 4 =$	$25 + 7 =$	$____ + 9 = 32$
$27 + 8 =$	$____ + 7 = 22$	$____ - 8 = 17$	$8 + 13 =$
$25 + 8 =$	$24 - 8 =$	$24 - 5 =$	$27 - ____ = 19$
$22 - ____ = 15$	$34 - 7 =$	$19 + ____ = 25$	$18 + 6 =$
$35 - ____ = 28$	$14 + 7 =$	$31 - 5 =$	$25 - 7 =$
$19 + 5 =$	$____ + 13 = 22$	$25 - ____ = 18$	$____ + 14 = 22$
$32 - ____ = 26$	$18 + 7 =$	$____ - 7 = 25$	$____ - 9 = 18$
$24 + 8 =$	$36 - ____ = 29$	$24 + 7 =$	$23 + 8 =$

- Using the 'making tens' strategy (totalling up to 40)
- Adding and subtracting by using the nearest ten.

Maths: Number Knowledge 5J: Making tens

Name _____ Date _____ Score ____/36____

$8 + 16 =$	$____ - 6 = 17$	$____ - 8 = 16$	$33 - 6 =$
$26 - ____ = 18$	$18 + 4 =$	$25 + 7 =$	$____ + 9 = 32$
$27 + 8 =$	$____ + 7 = 22$	$____ - 8 = 17$	$8 + 13 =$
$25 + 8 =$	$24 - 8 =$	$24 - 5 =$	$27 - ____ = 19$
$22 - ____ = 15$	$34 - 7 =$	$19 + ____ = 25$	$18 + 6 =$
$35 - ____ = 28$	$14 + 7 =$	$31 - 5 =$	$25 - 7 =$
$19 + 5 =$	$____ + 13 = 22$	$25 - ____ = 18$	$____ + 14 = 22$
$32 - ____ = 26$	$18 + 7 =$	$____ - 7 = 25$	$____ - 9 = 18$
$24 + 8 =$	$36 - ____ = 29$	$24 + 7 =$	$23 + 8 =$

- Using the 'making tens' strategy (totalling up to 40)
- Adding and subtracting by using the nearest ten.

Maths: Number Knowledge 5K - FINAL CHALLENGE!

Name _____ Date _____ Score ____/40____

$30 \div 6 =$	$____ \times 5 = 35$	$____ \div 8 = 5$	$____ \div 5 = 3$
$18 \div ____ = 9$	$____ \div 5 = 6$	Halve of 8 =	$36 - 7 =$
$800 - 300 =$	$39 + 11 =$	$1000 - 800 =$	$25 \div ____ = 5$
$____ \div 2 = 11$	$____ - 12 = 38$	$____ - 13 = 12$	$____ \div 2 = 12$
$23 + 9 =$	$15 + 35 =$	$\frac{1}{2}$ of $____ = 9$	$____ \times 5 = 45$
$8 + 13 =$	$19 + 31 =$	$13 + 9 =$	$35 \div ____ = 5$
$27 - ____ = 19$	$50 - ____ = 35$	$9 + 13 =$	$5 \times 9 =$
$____ - 84 = 16$	$78 + ____ = 100$	$100 - 76 =$	$100 - 34 =$
$____ \div 2 = 10$	$____ \div 5 = 9$	$____ \div 5 = 8$	$35 \div 5 =$
$____ + 700 = 900$	$50 - 22 =$	$11 + 19 =$	$50 - 28 =$

- Number bonds up to 100, Multiples of 100 up to 1000.
- 2,5,10 times tables facts
- Adding and subtracting by using the nearest ten.

Maths: Number Knowledge 5K - FINAL CHALLENGE!

Name _____ Date _____ Score ____/40____

$30 \div 6 =$	$____ \times 5 = 35$	$____ \div 8 = 5$	$____ \div 5 = 3$
$18 \div ____ = 9$	$____ \div 5 = 6$	Halve of 8 =	$36 - 7 =$
$800 - 300 =$	$39 + 11 =$	$1000 - 800 =$	$25 \div ____ = 5$
$____ \div 2 = 11$	$____ - 12 = 38$	$____ - 13 = 12$	$____ \div 2 = 12$
$23 + 9 =$	$15 + 35 =$	$\frac{1}{2}$ of $____ = 9$	$____ \times 5 = 45$
$8 + 13 =$	$19 + 31 =$	$13 + 9 =$	$35 \div ____ = 5$
$27 - ____ = 19$	$50 - ____ = 35$	$9 + 13 =$	$5 \times 9 =$
$____ - 84 = 16$	$78 + ____ = 100$	$100 - 76 =$	$100 - 34 =$
$____ \div 2 = 10$	$____ \div 5 = 9$	$____ \div 5 = 8$	$35 \div 5 =$
$____ + 700 = 900$	$50 - 22 =$	$11 + 19 =$	$50 - 28 =$

- Number bonds up to 100, Multiples of 100 up to 1000.
- 2,5,10 times tables facts
- Adding and subtracting by using the nearest ten.

Maths: Number Knowledge 6A

Name _____ Date _____ Score _____

$900 + \underline{\quad} = 1000$	$56 + \underline{\quad} = 100$	$1000 - 600 =$	$42 + \underline{\quad} = 100$	$1000 - 200 =$
$100 - 16 =$	$100 - 38 =$	$500 + \underline{\quad} = 1000$	$27 + \underline{\quad} = 100$	$1000 - 250 =$
$650 + \underline{\quad} = 1000$	$1000 - 950 =$	$84 + \underline{\quad} = 100$	$68 + \underline{\quad} = 100$	$100 - 24 =$
$43 + \underline{\quad} = 100$	$1000 - 900 =$	$100 - 34 =$	$16 + \underline{\quad} = 100$	$600 + \underline{\quad} = 1000$
$89 + \underline{\quad} = 100$	$19 + \underline{\quad} = 100$	$1000 - 650 =$	$750 + \underline{\quad} = 1000$	$24 + \underline{\quad} = 100$
$100 - 19 =$	$100 + \underline{\quad} = 1000$	$250 + \underline{\quad} = 1000$	$23 + \underline{\quad} = 100$	$100 - 84 =$
$100 - 27 =$	$1000 - 50 =$	$100 - 89 =$	$100 - 32 =$	$700 - 450 =$
$21 + \underline{\quad} = 100$	$100 - 23 =$	$34 + \underline{\quad} = 100$	$350 + \underline{\quad} = 1000$	$1000 - 500 =$
$1000 - 350 =$	$50 + \underline{\quad} = 1000$	$1000 - 850 =$	$32 + \underline{\quad} = 100$	$100 - 28 =$
$950 + \underline{\quad} = 1000$	$100 - 43 =$	$100 - 21 =$	$100 - 42 =$	$38 + \underline{\quad} = 100$

- Reinforce number bonds up to 100
- Multiples of 50 that add up to 1000

Maths: Number Knowledge 6A

Name _____ Date _____ Score _____

$900 + \underline{\quad} = 1000$	$56 + \underline{\quad} = 100$	$1000 - 600 =$	$42 + \underline{\quad} = 100$	$1000 - 200 =$
$100 - 16 =$	$100 - 38 =$	$500 + \underline{\quad} = 1000$	$27 + \underline{\quad} = 100$	$1000 - 250 =$
$650 + \underline{\quad} = 1000$	$1000 - 950 =$	$84 + \underline{\quad} = 100$	$68 + \underline{\quad} = 100$	$100 - 24 =$
$43 + \underline{\quad} = 100$	$1000 - 900 =$	$100 - 34 =$	$16 + \underline{\quad} = 100$	$600 + \underline{\quad} = 1000$
$89 + \underline{\quad} = 100$	$19 + \underline{\quad} = 100$	$1000 - 650 =$	$750 + \underline{\quad} = 1000$	$24 + \underline{\quad} = 100$
$100 - 19 =$	$100 + \underline{\quad} = 1000$	$250 + \underline{\quad} = 1000$	$23 + \underline{\quad} = 100$	$100 - 84 =$
$100 - 27 =$	$1000 - 50 =$	$100 - 89 =$	$100 - 32 =$	$700 - 450 =$
$21 + \underline{\quad} = 100$	$100 - 23 =$	$34 + \underline{\quad} = 100$	$350 + \underline{\quad} = 1000$	$1000 - 500 =$
$1000 - 350 =$	$50 + \underline{\quad} = 1000$	$1000 - 850 =$	$32 + \underline{\quad} = 100$	$100 - 28 =$
$950 + \underline{\quad} = 1000$	$100 - 43 =$	$100 - 21 =$	$100 - 42 =$	$38 + \underline{\quad} = 100$

- Reinforce number bonds up to 100
- Multiples of 50 that add up to 1000

Maths: Number Knowledge 6B

Name _____ Date _____ Score _____

$2 \times \underline{\quad} = 20$	$17 \times 0 =$	$19 \times 10 =$	$\underline{\quad} \div 10 = 12$	$14 \times 1 =$
$150 \div 10 =$	$\underline{\quad} \div 10 = 18$	$10 \times \underline{\quad} = 0$	$10 \times 1 =$	$7 \times \underline{\quad} = 0$
$14 \times \underline{\quad} = 0$	$16 \times 10 =$	$6 \times 1 =$	$2 \times 0 =$	$60 \div 10 =$
$7 \times 10 =$	$\underline{\quad} \times 10 = 90$	$13 \times 10 =$	$130 \div \underline{\quad} = 13$	$12 \times 0 =$
$80 \div 10 =$	$\underline{\quad} \times 1 = 2$	$\underline{\quad} \div 10 = 4$	$\underline{\quad} \times 10 = 80$	$\underline{\quad} \times 1 = 5$
$12 \times 10 =$	$110 \div 10 =$	$10 \times 10 =$	$17 \times 1 =$	$190 \div \underline{\quad} = 19$
$110 \div \underline{\quad} = 11$	$60 \div \underline{\quad} = 6$	$190 \div \underline{\quad} = 19$	$18 \times 10 =$	$11 \times 1 =$
$16 \times 1 =$	$50 \div 10 =$	$5 \times 0 =$	$70 \div \underline{\quad} = 7$	$4 \times 10 =$
$\underline{\quad} \div 10 = 18$	$\underline{\quad} \times 1 = 8$	$\underline{\quad} \div 10 = 14$	$16 \times 0 =$	$\underline{\quad} \div 10 = 13$
$4 \times \underline{\quad} = 4$	$150 \div 10 =$	$120 \div 10 =$	$150 \div 10 =$	$17 \times 10 =$

- 0,1 and 10 x tables.

Maths: Number Knowledge 6B

Name _____ Date _____ Score _____

$2 \times \underline{\quad} = 20$	$17 \times 0 =$	$19 \times 10 =$	$\underline{\quad} \div 10 = 12$	$14 \times 1 =$
$150 \div 10 =$	$\underline{\quad} \div 10 = 18$	$10 \times \underline{\quad} = 0$	$10 \times 1 =$	$7 \times \underline{\quad} = 0$
$14 \times \underline{\quad} = 0$	$16 \times 10 =$	$6 \times 1 =$	$2 \times 0 =$	$60 \div 10 =$
$7 \times 10 =$	$\underline{\quad} \times 10 = 90$	$13 \times 10 =$	$130 \div \underline{\quad} = 13$	$12 \times 0 =$
$80 \div 10 =$	$\underline{\quad} \times 1 = 2$	$\underline{\quad} \div 10 = 4$	$\underline{\quad} \times 10 = 80$	$\underline{\quad} \times 1 = 5$
$12 \times 10 =$	$110 \div 10 =$	$10 \times 10 =$	$17 \times 1 =$	$190 \div \underline{\quad} = 19$
$110 \div \underline{\quad} = 11$	$60 \div \underline{\quad} = 6$	$190 \div \underline{\quad} = 19$	$18 \times 10 =$	$11 \times 1 =$
$16 \times 1 =$	$50 \div 10 =$	$5 \times 0 =$	$70 \div \underline{\quad} = 7$	$4 \times 10 =$
$\underline{\quad} \div 10 = 18$	$\underline{\quad} \times 1 = 8$	$\underline{\quad} \div 10 = 14$	$16 \times 0 =$	$\underline{\quad} \div 10 = 13$
$4 \times \underline{\quad} = 4$	$150 \div 10 =$	$120 \div 10 =$	$150 \div 10 =$	$17 \times 10 =$

- 0,1 and 10 x tables.

Maths: Number Knowledge 6C

Name _____ Date _____ Score _____

$1 \times 3 =$	$3 \times 2 =$	$15 \div 3 =$	$3 \times 3 =$	$____ \div 3 = 2$
$30 \div 3 =$	$____ \div 11 = 3$	$12 \times ____ = 36$	$3 \times ____ = 24$	$15 \div 5 =$
$____ \div 8 = 3$	$12 \div 4 =$	$3 \div 1 =$	$12 \div 3 =$	$18 \div 6 =$
$4 \times 3 =$	$3 \times ____ = 9$	$3 \times ____ = 30$	$10 \times 3 =$	$____ \div 3 = 3$
$11 \times 3 =$	$____ \times 3 = 21$	$9 \div 3 =$	$____ \times 3 = 6$	$8 \times 3 =$
$21 \div ____ = 7$	$27 \div 3 =$	$21 \div 7 =$	$3 \times 7 =$	$3 \times ____ = 36$
$30 \div 3 =$	$3 \times 1 =$	$33 \div 3 =$	$3 \div 3 =$	$6 \div 2 =$
$____ \times 3 = 18$	$3 \times ____ = 33$	$3 \times ____ 12 =$	$5 \times 3 =$	$36 \div 12 =$
$24 \div 3 =$	$36 \div 3 =$	$13 \times 3 =$	$3 \times 9 =$	$9 \times 3 =$
$27 \div 9 =$	$3 \times ____ = 15$	$3 \times 6 =$	$____ \div 3 = 6$	$39 \div 3 =$

- 3x table

Maths: Number Knowledge 6C

Name _____ Date _____ Score _____

$1 \times 3 =$	$3 \times 2 =$	$15 \div 3 =$	$3 \times 3 =$	$____ \div 3 = 2$
$30 \div 3 =$	$____ \div 11 = 3$	$12 \times ____ = 36$	$3 \times ____ = 24$	$15 \div 5 =$
$____ \div 8 = 3$	$12 \div 4 =$	$3 \div 1 =$	$12 \div 3 =$	$18 \div 6 =$
$4 \times 3 =$	$3 \times ____ = 9$	$3 \times ____ = 30$	$10 \times 3 =$	$____ \div 3 = 3$
$11 \times 3 =$	$____ \times 3 = 21$	$9 \div 3 =$	$____ \times 3 = 6$	$8 \times 3 =$
$21 \div ____ = 7$	$27 \div 3 =$	$21 \div 7 =$	$3 \times 7 =$	$3 \times ____ = 36$
$30 \div 3 =$	$3 \times 1 =$	$33 \div 3 =$	$3 \div 3 =$	$6 \div 2 =$
$____ \times 3 = 18$	$3 \times ____ = 33$	$3 \times ____ 12 =$	$5 \times 3 =$	$36 \div 12 =$
$24 \div 3 =$	$36 \div 3 =$	$13 \times 3 =$	$3 \times 9 =$	$9 \times 3 =$
$27 \div 9 =$	$3 \times ____ = 15$	$3 \times 6 =$	$____ \div 3 = 6$	$39 \div 3 =$

- 3x table

Maths: Number Knowledge 6D

Name _____ Date _____ Score _____

$21 \div 3 =$	$3 \times 8 =$	$3 \times \underline{\quad} = 18$	$3 \times 7 =$	$27 \div 3 =$
$9 \times \underline{\quad} = 18$	$\underline{\quad} \div 9 = 5$	$24 \div 8 =$	$18 \div \underline{\quad} = 9$	$\underline{\quad} \times 5 = 45$
$8 \times 5 =$	$80 \div 10 =$	$90 \div 9 =$	$25 \div 5 =$	$40 \div 5 =$
$45 \div 5 =$	$3 \times 9 =$	$40 \div \underline{\quad} = 5$	$8 \times 3 =$	$18 \div 6 =$
$\underline{\quad} \div 3 = 8$	$\underline{\quad} \div 9 = 2$	$5 \times 9 =$	$\underline{\quad} \div 7 = 5$	$110 \div 10 =$
$5 \times 8 =$	$7 \times 2 =$	$\underline{\quad} \div 9 = 3$	$7 \times \underline{\quad} = 21$	$14 \div \underline{\quad} = 2$
$9 \times 3 =$	$\underline{\quad} \div 7 = 3$	$16 \div 2 =$	$12 \div 2 =$	$30 \div 6 =$
$\underline{\quad} \div 10 = 3$	$15 \div \underline{\quad} = 5$	$\underline{\quad} \div 5 = 10$	$3 \times 5 =$	$\underline{\quad} \div 5 = 3$
$5 \times 3 =$	$10 \times 3 =$	$30 \div 3 =$	$10 \times 8 =$	$3 \times 10 =$
$10 \times \underline{\quad} = 40$	$10 \times 5 =$	$50 \div 10 =$	$70 \div \underline{\quad} = 7$	$8 \times \underline{\quad} = 80$

- 2,3,5,10 $\times$ tables.

Maths: Number Knowledge 6D

Name _____ Date _____ Score _____

$21 \div 3 =$	$3 \times 8 =$	$3 \times \underline{\quad} = 18$	$3 \times 7 =$	$27 \div 3 =$
$9 \times \underline{\quad} = 18$	$\underline{\quad} \div 9 = 5$	$24 \div 8 =$	$18 \div \underline{\quad} = 9$	$\underline{\quad} \times 5 = 45$
$8 \times 5 =$	$80 \div 10 =$	$90 \div 9 =$	$25 \div 5 =$	$40 \div 5 =$
$45 \div 5 =$	$3 \times 9 =$	$40 \div \underline{\quad} = 5$	$8 \times 3 =$	$18 \div 6 =$
$\underline{\quad} \div 3 = 8$	$\underline{\quad} \div 9 = 2$	$5 \times 9 =$	$\underline{\quad} \div 7 = 5$	$110 \div 10 =$
$5 \times 8 =$	$7 \times 2 =$	$\underline{\quad} \div 9 = 3$	$7 \times \underline{\quad} = 21$	$14 \div \underline{\quad} = 2$
$9 \times 3 =$	$\underline{\quad} \div 7 = 3$	$16 \div 2 =$	$12 \div 2 =$	$30 \div 6 =$
$\underline{\quad} \div 10 = 3$	$15 \div \underline{\quad} = 5$	$\underline{\quad} \div 5 = 10$	$3 \times 5 =$	$\underline{\quad} \div 5 = 3$
$5 \times 3 =$	$10 \times 3 =$	$30 \div 3 =$	$10 \times 8 =$	$3 \times 10 =$
$10 \times \underline{\quad} = 40$	$10 \times 5 =$	$50 \div 10 =$	$70 \div \underline{\quad} = 7$	$8 \times \underline{\quad} = 80$

- 2,3,5,10 $\times$ tables.

Maths: Number Knowledge 6E

Name _____ Date _____ Score _____

$4 \times 1 =$	$4 \div 1 =$	$4 \times 5 =$	$32 \div 4 =$	$11 \times 4 =$
$24 \div 4 =$	$4 \times 8 =$	$4 \times 6 =$	$8 \div 4 =$	$4 \times 11 =$
$9 \times 4 =$	$4 \times 4 =$	$24 \div 6 =$	$4 \times 9 =$	$36 \div 4 =$
$6 \times 4 =$	$1 \times 4 =$	$40 \div 10 =$	$48 \div 12 =$	$16 \div 4 =$
$4 \times 12 =$	$16 \div 4 =$	$4 \times 7 =$	$4 \times 4 =$	$48 \div 4 =$
$2 \times 4 =$	$36 \div 9 =$	$12 \div 4 =$	$28 \div 7 =$	$12 \times 4 =$
$8 \div 2 =$	$4 \times 2 =$	$4 \div 4 =$	$44 \div 11 =$	$44 \div 4 =$
$12 \div 3 =$	$5 \times 4 =$	$8 \times 4 =$	$7 \times 4 =$	$4 \times 10 =$
$3 \times 4 =$	$20 \div 4 =$	$10 \times 4 =$	$32 \div 8 =$	$13 \times 4 =$
$4 \times 3 =$	$20 \div 5 =$	$28 \div 4 =$	$40 \div 4 =$	$4 \times 13 =$

- 4 x table

Maths: Number Knowledge 6E

Name _____ Date _____ Score _____

$4 \times 1 =$	$4 \div 1 =$	$4 \times 5 =$	$32 \div 4 =$	$11 \times 4 =$
$24 \div 4 =$	$4 \times 8 =$	$4 \times 6 =$	$8 \div 4 =$	$4 \times 11 =$
$9 \times 4 =$	$4 \times 4 =$	$24 \div 6 =$	$4 \times 9 =$	$36 \div 4 =$
$6 \times 4 =$	$1 \times 4 =$	$40 \div 10 =$	$48 \div 12 =$	$16 \div 4 =$
$4 \times 12 =$	$16 \div 4 =$	$4 \times 7 =$	$4 \times 4 =$	$48 \div 4 =$
$2 \times 4 =$	$36 \div 9 =$	$12 \div 4 =$	$28 \div 7 =$	$12 \times 4 =$
$8 \div 2 =$	$4 \times 2 =$	$4 \div 4 =$	$44 \div 11 =$	$44 \div 4 =$
$12 \div 3 =$	$5 \times 4 =$	$8 \times 4 =$	$7 \times 4 =$	$4 \times 10 =$
$3 \times 4 =$	$20 \div 4 =$	$10 \times 4 =$	$32 \div 8 =$	$13 \times 4 =$
$4 \times 3 =$	$20 \div 5 =$	$28 \div 4 =$	$40 \div 4 =$	$4 \times 13 =$

- 4 x table

Maths: Number Knowledge 6F

Name _____ Date _____ Score _____

$6 \times 1 =$	$8 \times 6 =$	$36 \div 6 =$	$6 \times 8 =$	$60 \div 6 =$
$9 \times 6 =$	$3 \times 6 =$	$6 \times 2 =$	$6 \times 3 =$	$2 \times 6 =$
$6 \times 5 =$	$66 \div 6 =$	$30 \div 6 =$	$10 \times 6 =$	$12 \times 6 =$
$7 \times 6 =$	$4 \times 6 =$	$24 \div 4 =$	$6 \div 1 =$	$24 \div 6 =$
$6 \times 10 =$	$6 \times 9 =$	$66 \div 11 =$	$6 \times 11 =$	$30 \div 5 =$
$42 \div 6 =$	$6 \times 6 =$	$18 \div 6 =$	$30 \div 6 =$	$11 \times 6 =$
$18 \div 3 =$	$1 \times 6 =$	$72 \div 12 =$	$12 \div 6 =$	$6 \div 6 =$
$54 \div 9 =$	$60 \div 10 =$	$6 \times 7 =$	$42 \div 7 =$	$5 \times 6 =$
$6 \times 6 =$	$5 \times 6 =$	$12 \div 2 =$	$6 \times 4 =$	$36 \div 6 =$
$72 \div 6 =$	$48 \div 8 =$	$54 \div 6 =$	$6 \times 12 =$	$48 \div 6 =$

- 6 x tables

Maths: Number Knowledge 6F

Name _____ Date _____ Score _____

$6 \times 1 =$	$8 \times 6 =$	$36 \div 6 =$	$6 \times 8 =$	$60 \div 6 =$
$9 \times 6 =$	$3 \times 6 =$	$6 \times 2 =$	$6 \times 3 =$	$2 \times 6 =$
$6 \times 5 =$	$66 \div 6 =$	$30 \div 6 =$	$10 \times 6 =$	$12 \times 6 =$
$7 \times 6 =$	$4 \times 6 =$	$24 \div 4 =$	$6 \div 1 =$	$24 \div 6 =$
$6 \times 10 =$	$6 \times 9 =$	$66 \div 11 =$	$6 \times 11 =$	$30 \div 5 =$
$42 \div 6 =$	$6 \times 6 =$	$18 \div 6 =$	$30 \div 6 =$	$11 \times 6 =$
$18 \div 3 =$	$1 \times 6 =$	$72 \div 12 =$	$12 \div 6 =$	$6 \div 6 =$
$54 \div 9 =$	$60 \div 10 =$	$6 \times 7 =$	$42 \div 7 =$	$5 \times 6 =$
$6 \times 6 =$	$5 \times 6 =$	$12 \div 2 =$	$6 \times 4 =$	$36 \div 6 =$
$72 \div 6 =$	$48 \div 8 =$	$54 \div 6 =$	$6 \times 12 =$	$48 \div 6 =$

- 6 x tables

Maths: Number Knowledge 6G

Name _____ Date _____ Score _____

$1 \times 7 =$	$7 \times 8 =$	$63 \div 9 =$	$6 \times 7 =$	$9 \times 7 =$
$7 \times 7 =$	$7 \times 2 =$	$7 \div 1 =$	$7 \times 3 =$	$7 \div 7 =$
$35 \div 5 =$	$9 \times 7 =$	$7 \times 9 =$	$7 \times 11 =$	$11 \times 7 =$
$70 \div 7 =$	$28 \div 4 =$	$42 \div 7 =$	$5 \times 7 =$	$7 \times 6 =$
$77 \div 11 =$	$7 \times 10 =$	$14 \div 7 =$	$49 \div 7 =$	$14 \div 2 =$
$3 \times 7 =$	$7 \times 1 =$	$8 \times 7 =$	$63 \div 7 =$	$12 \times 7 =$
$8 \times 7 =$	$42 \div 6 =$	$10 \times 7 =$	$2 \times 7 =$	$70 \div 10 =$
$7 \times 12 =$	$84 \div 7 =$	$7 \times 4 =$	$7 \times 7 =$	$21 \div 3 =$
$4 \times 7 =$	$21 \div 7 =$	$77 \div 7 =$	$56 \div 8 =$	$84 \div 12 =$
$7 \times 6 =$	$56 \div 7 =$	$35 \div 7 =$	$28 \div 7 =$	$7 \times 5 =$

- 7 × tables.

Maths: Number Knowledge 6G

Name _____ Date _____ Score _____

$1 \times 7 =$	$7 \times 8 =$	$63 \div 9 =$	$6 \times 7 =$	$9 \times 7 =$
$7 \times 7 =$	$7 \times 2 =$	$7 \div 1 =$	$7 \times 3 =$	$7 \div 7 =$
$35 \div 5 =$	$9 \times 7 =$	$7 \times 9 =$	$7 \times 11 =$	$11 \times 7 =$
$70 \div 7 =$	$28 \div 4 =$	$42 \div 7 =$	$5 \times 7 =$	$7 \times 6 =$
$77 \div 11 =$	$7 \times 10 =$	$14 \div 7 =$	$49 \div 7 =$	$14 \div 2 =$
$3 \times 7 =$	$7 \times 1 =$	$8 \times 7 =$	$63 \div 7 =$	$12 \times 7 =$
$8 \times 7 =$	$42 \div 6 =$	$10 \times 7 =$	$2 \times 7 =$	$70 \div 10 =$
$7 \times 12 =$	$84 \div 7 =$	$7 \times 4 =$	$7 \times 7 =$	$21 \div 3 =$
$4 \times 7 =$	$21 \div 7 =$	$77 \div 7 =$	$56 \div 8 =$	$84 \div 12 =$
$7 \times 6 =$	$56 \div 7 =$	$35 \div 7 =$	$28 \div 7 =$	$7 \times 5 =$

- 7 × tables.

Maths: Number Knowledge 6H

Name _____ Date _____ Score _____

$1 \times 8 =$	$8 \times 8 =$	$3 \times 8 =$	$8 \div 1 =$	$4 \times 8 =$
$32 \div 4 =$	$48 \div 6 =$	$8 \times 6 =$	$8 \times 10 =$	$88 \div 8 =$
$12 \times 8 =$	$8 \times 1 =$	$32 \div 8 =$	$8 \times 9 =$	$6 \times 8 =$
$7 \times 8 =$	$9 \times 8 =$	$11 \times 8 =$	$2 \times 8 =$	$96 \div 8 =$
$24 \div 8 =$	$10 \times 8 =$	$8 \div 8 =$	$8 \times 8 =$	$72 \div 8 =$
$16 \div 8 =$	$5 \times 8 =$	$8 \times 12 =$	$8 \times 5 =$	$8 \times 2 =$
$96 \div 12 =$	$64 \div 8 =$	$40 \div 5 =$	$72 \div 9 =$	$56 \div 7 =$
$40 \div 8 =$	$16 \div 2 =$	$8 \times 7 =$	$8 \times 3 =$	$64 \div 8 =$
$88 \div 11 =$	$8 \times 11 =$	$8 \times 10 =$	$80 \div 8 =$	$80 \div 10 =$
$48 \div 8 =$	$8 \times 4 =$	$24 \div 8 =$	$56 \div 8 =$	$24 \div 3 =$

- 8 x tables

Maths: Number Knowledge 6H

Name _____ Date _____ Score _____

$1 \times 8 =$	$8 \times 8 =$	$3 \times 8 =$	$8 \div 1 =$	$4 \times 8 =$
$32 \div 4 =$	$48 \div 6 =$	$8 \times 6 =$	$8 \times 10 =$	$88 \div 8 =$
$12 \times 8 =$	$8 \times 1 =$	$32 \div 8 =$	$8 \times 9 =$	$6 \times 8 =$
$7 \times 8 =$	$9 \times 8 =$	$11 \times 8 =$	$2 \times 8 =$	$96 \div 8 =$
$24 \div 8 =$	$10 \times 8 =$	$8 \div 8 =$	$8 \times 8 =$	$72 \div 8 =$
$16 \div 8 =$	$5 \times 8 =$	$8 \times 12 =$	$8 \times 5 =$	$8 \times 2 =$
$96 \div 12 =$	$64 \div 8 =$	$40 \div 5 =$	$72 \div 9 =$	$56 \div 7 =$
$40 \div 8 =$	$16 \div 2 =$	$8 \times 7 =$	$8 \times 3 =$	$64 \div 8 =$
$88 \div 11 =$	$8 \times 11 =$	$8 \times 10 =$	$80 \div 8 =$	$80 \div 10 =$
$48 \div 8 =$	$8 \times 4 =$	$24 \div 8 =$	$56 \div 8 =$	$24 \div 3 =$

- 8 x tables

Maths: Number Knowledge 6I

Name _____ Date _____ Score _____

$6 \times 9 =$	$72 \div 9 =$	$4 \times 9 =$	$36 \div 9 =$	$9 \times 6 =$
$81 \div 9 =$	$3 \times 9 =$	$9 \times 9 =$	$9 \times 12 =$	$9 \div 9 =$
$2 \times 9 =$	$63 \div 9 =$	$99 \div 9 =$	$90 \div 9 =$	$9 \times 7 =$
$99 \div 11 =$	$7 \times 9 =$	$1 \times 9 =$	$9 \times 3 =$	$18 \div 9 =$
$9 \times 10 =$	$10 \times 9 =$	$6 \times 9 =$	$11 \times 9 =$	$8 \times 9 =$
$27 \div 9 =$	$9 \div 1 =$	$90 \div 10 =$	$108 \div 12 =$	$54 \div 6 =$
$5 \times 9 =$	$12 \times 9 =$	$9 \times 5 =$	$9 \times 1 =$	$9 \times 2 =$
$9 \times 8 =$	$54 \div 9 =$	$8 \times 9 =$	$81 \div 9 =$	$45 \div 9 =$
$36 \div 4 =$	$27 \div 3 =$	$18 \div 2 =$	$9 \times 9 =$	$63 \div 7 =$
$9 \times 11 =$	$108 \div 9 =$	$72 \div 8 =$	$45 \div 5 =$	$9 \times 4 =$

- 9 x tables

Maths: Number Knowledge 6I

Name _____ Date _____ Score _____

$6 \times 9 =$	$72 \div 9 =$	$4 \times 9 =$	$36 \div 9 =$	$9 \times 6 =$
$81 \div 9 =$	$3 \times 9 =$	$9 \times 9 =$	$9 \times 12 =$	$9 \div 9 =$
$2 \times 9 =$	$63 \div 9 =$	$99 \div 9 =$	$90 \div 9 =$	$9 \times 7 =$
$99 \div 11 =$	$7 \times 9 =$	$1 \times 9 =$	$9 \times 3 =$	$18 \div 9 =$
$9 \times 10 =$	$10 \times 9 =$	$6 \times 9 =$	$11 \times 9 =$	$8 \times 9 =$
$27 \div 9 =$	$9 \div 1 =$	$90 \div 10 =$	$108 \div 12 =$	$54 \div 6 =$
$5 \times 9 =$	$12 \times 9 =$	$9 \times 5 =$	$9 \times 1 =$	$9 \times 2 =$
$9 \times 8 =$	$54 \div 9 =$	$8 \times 9 =$	$81 \div 9 =$	$45 \div 9 =$
$36 \div 4 =$	$27 \div 3 =$	$18 \div 2 =$	$9 \times 9 =$	$63 \div 7 =$
$9 \times 11 =$	$108 \div 9 =$	$72 \div 8 =$	$45 \div 5 =$	$9 \times 4 =$

- 9 x tables

Maths: Number Knowledge 6J

Name _____ Date _____ Score _____

$1 \times 4 =$	$7 \times 4 =$	$36 \div 4 =$	$4 \div \underline{\quad} = 1$	$4 \times \underline{\quad} = 36$
$6 \times \underline{\quad} = 12$	$\underline{\quad} \div 11 = 4$	$36 \div \underline{\quad} = 6$	$6 \times 8 =$	$36 \div 6 =$
$\underline{\quad} \div 8 = 6$	$72 \div 12 =$	$4 \times 5 =$	$72 \div 6 =$	$20 \div 5 =$
$4 \times 7 =$	$4 \times \underline{\quad} = 12$	$\underline{\quad} \times 6 = 48$	$20 \div 4 =$	$\underline{\quad} \times 11 = 44$
$6 \times 6 =$	$12 \times 6 =$	$\underline{\quad} \times 6 = 12$	$\underline{\quad} \div 2 = 6$	$10 \times 6 =$
$36 \div 9 =$	$12 \div 4 =$	$28 \div \underline{\quad} = 4$	$48 \div \underline{\quad} = 8$	$4 \div 1 =$
$44 \div 4 =$	$4 \times 6 =$	$24 \div 6 =$	$3 \times 4 =$	$48 \div 6 =$
$\underline{\quad} \times 4 = 20$	$\underline{\quad} \div 6 = 10$	$4 \times 1 =$	$6 \times 10 =$	$\underline{\quad} \div 6 = 12$
$60 \div 10 =$	$28 \div 4 =$	$6 \times 12 =$	$\underline{\quad} \div 4 = 6$	$12 \div \underline{\quad} = 4$
$6 \times \underline{\quad} = 24$	$28 \div 7 =$	$9 \times \underline{\quad} = 36$	$11 \times 4 =$	$6 \times 6 =$

- 4 and 6 $\times$ tables

Maths: Number Knowledge 6J

Name _____ Date _____ Score _____

$1 \times 4 =$	$7 \times 4 =$	$36 \div 4 =$	$4 \div \underline{\quad} = 1$	$4 \times \underline{\quad} = 36$
$6 \times \underline{\quad} = 12$	$\underline{\quad} \div 11 = 4$	$36 \div \underline{\quad} = 6$	$6 \times 8 =$	$36 \div 6 =$
$\underline{\quad} \div 8 = 6$	$72 \div 12 =$	$4 \times 5 =$	$72 \div 6 =$	$20 \div 5 =$
$4 \times 7 =$	$4 \times \underline{\quad} = 12$	$\underline{\quad} \times 6 = 48$	$20 \div 4 =$	$\underline{\quad} \times 11 = 44$
$6 \times 6 =$	$12 \times 6 =$	$\underline{\quad} \times 6 = 12$	$\underline{\quad} \div 2 = 6$	$10 \times 6 =$
$36 \div 9 =$	$12 \div 4 =$	$28 \div \underline{\quad} = 4$	$48 \div \underline{\quad} = 8$	$4 \div 1 =$
$44 \div 4 =$	$4 \times 6 =$	$24 \div 6 =$	$3 \times 4 =$	$48 \div 6 =$
$\underline{\quad} \times 4 = 20$	$\underline{\quad} \div 6 = 10$	$4 \times 1 =$	$6 \times 10 =$	$\underline{\quad} \div 6 = 12$
$60 \div 10 =$	$28 \div 4 =$	$6 \times 12 =$	$\underline{\quad} \div 4 = 6$	$12 \div \underline{\quad} = 4$
$6 \times \underline{\quad} = 24$	$28 \div 7 =$	$9 \times \underline{\quad} = 36$	$11 \times 4 =$	$6 \times 6 =$

- 4 and 6 $\times$ tables

Maths: Number Knowledge 6K

Name _____ Date _____ Score _____

$7 \times 8 =$	$7 \times 10 =$	$9 \times 9 =$	$70 \div 10 =$	$9 \times \underline{\quad} = 63$
$8 \times 8 =$	$\underline{\quad} \div 10 = 8$	$64 \div 8 =$	$\underline{\quad} \div 10 = 9$	$90 \div 9 =$
$\underline{\quad} \div 9 = 7$	$9 \times 9 =$	$\underline{\quad} \times 8 = 72$	$72 \div 8 =$	$\underline{\quad} \times 8 = 80$
$8 \times 9 =$	$49 \div 7 =$	$56 \div 8 =$	$56 \div 7 =$	$8 \times 9 =$
$9 \times 10 =$	$\underline{\quad} \times 8 = 56$	$7 \times 9 =$	$49 \div \underline{\quad} = 7$	$80 \div 8 =$
$9 \times 8 =$	$9 \times 6 =$	$\underline{\quad} \div 6 = 9$	$6 \times 9 =$	$63 \div 7 =$
$\underline{\quad} \times 7 = 49$	$90 \div 9 =$	3×9	$7 \times 7 =$	$\underline{\quad} \times 8 = 64$
$8 \times 7 =$	8×10	$\underline{\quad} \div 9 = 3$	$56 \div 8 =$	$10 \times 7 =$
$\underline{\quad} \div 9 = 10$	$\underline{\quad} \div 9 = 8$	$54 \div 9 =$	$10 \times 9 =$	$8 \times 7 =$
$56 \div \underline{\quad} = 8$	$64 \div \underline{\quad} = 8$	$\underline{\quad} \div 7 = 10$	$\underline{\quad} \div 8 = 9$	$\underline{\quad} \div 9 = 8$

-7,8,9 × table

Maths: Number Knowledge 6K

Name _____ Date _____ Score _____

$7 \times 8 =$	$7 \times 10 =$	$9 \times 9 =$	$70 \div 10 =$	$9 \times \underline{\quad} = 63$
$8 \times 8 =$	$\underline{\quad} \div 10 = 8$	$64 \div 8 =$	$\underline{\quad} \div 10 = 9$	$90 \div 9 =$
$\underline{\quad} \div 9 = 7$	$9 \times 9 =$	$\underline{\quad} \times 8 = 72$	$72 \div 8 =$	$\underline{\quad} \times 8 = 80$
$8 \times 9 =$	$49 \div 7 =$	$56 \div 8 =$	$56 \div 7 =$	$8 \times 9 =$
$9 \times 10 =$	$\underline{\quad} \times 8 = 56$	$7 \times 9 =$	$49 \div \underline{\quad} = 7$	$80 \div 8 =$
$9 \times 8 =$	$9 \times 6 =$	$\underline{\quad} \div 6 = 9$	$6 \times 9 =$	$63 \div 7 =$
$\underline{\quad} \times 7 = 49$	$90 \div 9 =$	3×9	$7 \times 7 =$	$\underline{\quad} \times 8 = 64$
$8 \times 7 =$	8×10	$\underline{\quad} \div 9 = 3$	$56 \div 8 =$	$10 \times 7 =$
$\underline{\quad} \div 9 = 10$	$\underline{\quad} \div 9 = 8$	$54 \div 9 =$	$10 \times 9 =$	$8 \times 7 =$
$56 \div \underline{\quad} = 8$	$64 \div \underline{\quad} = 8$	$\underline{\quad} \div 7 = 10$	$\underline{\quad} \div 8 = 9$	$\underline{\quad} \div 9 = 8$

-7,8,9 × table

Maths: Number Knowledge 6L - MULTIPLICATION CHALLENGE

Name _____ Date _____ Score _____

$6 \times 12 =$	$____ \div 6 = 5$	$____ \times 6 = 36$	$7 \times ____ = 21$	$66 \div ____ = 11$
$70 \div 7 =$	$8 \times ____ = 32$	$8 \times 10 =$	$____ \div 9 = 4$	$56 \div 8 =$
$____ \times 7 = 49$	$____ \div 8 = 1$	$28 \div 7 =$	$9 \times 7 =$	$____ \times 11 = 77$
$____ \div 8 = 3$	$6 \times 2 =$	$____ \times 9 = 81$	$6 \div 6 =$	$56 \div 7 =$
$88 \div 8 =$	$72 \div 8 =$	$18 \div 9 =$	$____ \times 6 = 48$	$8 \times 8 =$
$____ \div 6 = 7$	$9 \times 11 =$	$6 \times 4 =$	$____ \div 8 = 5$	$6 \times 10 =$
$6 \times ____ = 48$	$108 \div ____ = 12$	$____ \div 7 = 2$	$7 \times 5 =$	$54 \div ____ = 6$
$8 \times 3 =$	$84 \div ____ = 12$	$7 \times 1 =$	$42 \div ____ = 6$	$____ \times 9 = 63$
$9 \times 1 =$	$8 \times 12 =$	$90 \div 9 =$	$9 \times 3 =$	$72 \div 9 =$
$9 \times ____ = 108$	$____ \div 6 = 3$	$8 \times ____ = 16$	$54 \div ____ = 9$	$9 \times ____ = 45$

- ALL times tables facts.

Maths: Number Knowledge 6L - MULTIPLICATION CHALLENGE

Name _____ Date _____ Score _____

$6 \times 12 =$	$____ \div 6 = 5$	$____ \times 6 = 36$	$7 \times ____ = 21$	$66 \div ____ = 11$
$70 \div 7 =$	$8 \times ____ = 32$	$8 \times 10 =$	$____ \div 9 = 4$	$56 \div 8 =$
$____ \times 7 = 49$	$____ \div 8 = 1$	$28 \div 7 =$	$9 \times 7 =$	$____ \times 11 = 77$
$____ \div 8 = 3$	$6 \times 2 =$	$____ \times 9 = 81$	$6 \div 6 =$	$56 \div 7 =$
$88 \div 8 =$	$72 \div 8 =$	$18 \div 9 =$	$____ \times 6 = 48$	$8 \times 8 =$
$____ \div 6 = 7$	$9 \times 11 =$	$6 \times 4 =$	$____ \div 8 = 5$	$6 \times 10 =$
$6 \times ____ = 48$	$108 \div ____ = 12$	$____ \div 7 = 2$	$7 \times 5 =$	$54 \div ____ = 6$
$8 \times 3 =$	$84 \div ____ = 12$	$7 \times 1 =$	$42 \div ____ = 6$	$____ \times 9 = 63$
$9 \times 1 =$	$8 \times 12 =$	$90 \div 9 =$	$9 \times 3 =$	$72 \div 9 =$
$9 \times ____ = 108$	$____ \div 6 = 3$	$8 \times ____ = 16$	$54 \div ____ = 9$	$9 \times ____ = 45$

- ALL times tables facts.

Maths: Number Knowledge 6M

Name _____ Date _____ Score _____

$20 \div 3 =$	$17 \div 2 =$	$34 \div 5 =$	$21 \div 5 =$	$7 \div 3 =$
$43 \div 10 =$	$17 \div 5 =$	$15 \div 3 =$	$16 \div 3 =$	$64 \div 10 =$
$13 \div 2 =$	$22 \div 5 =$	$46 \div 5 =$	$27 \div 5 =$	$14 \div 3 =$
$9 \div 5 =$	$50 \div 5 =$	$25 \div 10 =$	$17 \div 3 =$	$33 \div 10 =$
$28 \div 3 =$	$58 \div 5 =$	$22 \div 3 =$	$39 \div 5 =$	$19 \div 5 =$
$47 \div 5 =$	$19 \div 3 =$	$27 \div 5 =$	$83 \div 10 =$	$31 \div 5 =$
$9 \div 5 =$	$67 \div 10 =$	$39 \div 5 =$	$61 \div 5 =$	$14 \div 3 =$
$20 \div 3 =$	$48 \div 5 =$	$23 \div 3 =$	$13 \div 3 =$	$19 \div 2 =$
$8 \div 3 =$	$10 \div 3 =$	$42 \div 5 =$	$57 \div 5 =$	$49 \div 5 =$
$17 \div 3 =$	$42 \div 5 =$	$11 \div 5 =$	$11 \div 2 =$	$54 \div 10 =$

- 2,3,5 & 10 x table with remainder (simpler version)

Maths: Number Knowledge 6M

Name _____ Date _____ Score _____

$20 \div 3 =$	$17 \div 2 =$	$34 \div 5 =$	$21 \div 5 =$	$7 \div 3 =$
$43 \div 10 =$	$17 \div 5 =$	$15 \div 3 =$	$16 \div 3 =$	$64 \div 10 =$
$13 \div 2 =$	$22 \div 5 =$	$46 \div 5 =$	$27 \div 5 =$	$14 \div 3 =$
$9 \div 5 =$	$50 \div 5 =$	$25 \div 10 =$	$17 \div 3 =$	$33 \div 10 =$
$28 \div 3 =$	$58 \div 5 =$	$22 \div 3 =$	$39 \div 5 =$	$19 \div 5 =$
$47 \div 5 =$	$19 \div 3 =$	$27 \div 5 =$	$83 \div 10 =$	$31 \div 5 =$
$9 \div 5 =$	$67 \div 10 =$	$39 \div 5 =$	$61 \div 5 =$	$14 \div 3 =$
$20 \div 3 =$	$48 \div 5 =$	$23 \div 3 =$	$13 \div 3 =$	$19 \div 2 =$
$8 \div 3 =$	$10 \div 3 =$	$42 \div 5 =$	$57 \div 5 =$	$49 \div 5 =$
$17 \div 3 =$	$42 \div 5 =$	$11 \div 5 =$	$11 \div 2 =$	$54 \div 10 =$

- 2,3,5 & 10 x table with remainder (simpler version)

Maths: Number Knowledge 6N

Name _____ Date _____ Score _____

$21 \div 2 =$	$33 \div 10 =$	$___ \div 2 = 3 \text{ r } 1$	$85 \div 10 =$	$11 \div 2 =$
$99 \div 10 =$	$____ \div 10 = 2 \text{ r } 3$	$74 \div 10 =$	$79 \div 10 =$	$___ \div 9 = 8 \text{ r } 8$
$___ \div 5 = 5 \text{ r } 4$	$19 \div 10 =$	$17 \div 2 =$	$41 \div 10 =$	$49 \div 10 =$
$69 \div 10 =$	$23 \div 2 =$	$___ \div 4 = 8 \text{ r } 3$	$56 \div 10 =$	$9 \div 2 =$
$3 \div 2 =$	$27 \div 10 =$	$32 \div 10 =$	$___ \div 7 = 2 \text{ r } 2$	$22 \div 10 =$
$55 \div 10 =$	$___ \div 8 = 7 \text{ r } 4$	$___ \div 7 = 10 \text{ r } 2$	$39 \div 10 =$	$36 \div 10 =$
$7 \div 2 =$	$45 \div 10 =$	$15 \div 2 =$	$17 \div 10 =$	$74 \div 10 =$
$37 \div 10 =$	$5 \div 2 =$	$___ \div 2 = 4 \text{ r } 1$	$72 \div 10 =$	$___ \div 5 = 4 \text{ r } 2$
$___ \div 3 = 7 \text{ r } 1$	$57 \div 10 =$	$54 \div 10 =$	$___ \div 3 = 8 \text{ r } 2$	$63 \div 10 =$
$77 \div 10 =$	$19 \div 2 =$	$29 \div 10 =$	$92 \div 10 =$	$13 \div 2 =$

- 2 and 10 x tables with r

Maths: Number Knowledge 6N

Name _____ Date _____ Score _____

$21 \div 2 =$	$33 \div 10 =$	$___ \div 2 = 3 \text{ r } 1$	$85 \div 10 =$	$11 \div 2 =$
$99 \div 10 =$	$____ \div 10 = 2 \text{ r } 3$	$74 \div 10 =$	$79 \div 10 =$	$___ \div 9 = 8 \text{ r } 8$
$___ \div 5 = 5 \text{ r } 4$	$19 \div 10 =$	$17 \div 2 =$	$41 \div 10 =$	$49 \div 10 =$
$69 \div 10 =$	$23 \div 2 =$	$___ \div 4 = 8 \text{ r } 3$	$56 \div 10 =$	$9 \div 2 =$
$3 \div 2 =$	$27 \div 10 =$	$32 \div 10 =$	$___ \div 7 = 2 \text{ r } 2$	$22 \div 10 =$
$55 \div 10 =$	$___ \div 8 = 7 \text{ r } 4$	$___ \div 7 = 10 \text{ r } 2$	$39 \div 10 =$	$36 \div 10 =$
$7 \div 2 =$	$45 \div 10 =$	$15 \div 2 =$	$17 \div 10 =$	$74 \div 10 =$
$37 \div 10 =$	$5 \div 2 =$	$___ \div 2 = 4 \text{ r } 1$	$72 \div 10 =$	$___ \div 5 = 4 \text{ r } 2$
$___ \div 3 = 7 \text{ r } 1$	$57 \div 10 =$	$54 \div 10 =$	$___ \div 3 = 8 \text{ r } 2$	$63 \div 10 =$
$77 \div 10 =$	$19 \div 2 =$	$29 \div 10 =$	$92 \div 10 =$	$13 \div 2 =$

- 2 and 10 x tables with r

Maths: Number Knowledge 60

Name _____ Date _____ Score _____

$10 \div 3 =$	$33 \div 5 =$	$34 \div 5 =$	$17 \div 5 =$	$7 \div \underline{\hspace{1cm}} = 2 \text{ r } 1$
$6 \div \underline{\hspace{1cm}} = 1 \text{ r } 1$	$\underline{\hspace{1cm}} \div 5 = 5 \text{ r } 4$	$15 \div 3 =$	$22 \div 5 =$	$61 \div 5 =$
$23 \div 3 =$	$20 \div 3 =$	$46 \div 5 =$	$39 \div 5 =$	$13 \div 3 =$
$9 \div 5 =$	$14 \div 3 =$	$38 \div 3 =$	$\underline{\hspace{1cm}} \div 3 = 1 \text{ r } 1$	$57 \div 5 =$
$21 \div 5 =$	$58 \div 5 =$	$22 \div 3 =$	$39 \div 5 =$	$19 \div 5 =$
$16 \div 3 =$	$19 \div 3 =$	$27 \div 5 =$	$\underline{\hspace{1cm}} \div 5 = 1 \text{ r } 2$	$31 \div 5 =$
$27 \div 5 =$	$28 \div 3 =$	$\underline{\hspace{1cm}} \div 3 = 5 \text{ r } 1$	$8 \div 3 =$	$14 \div 3 =$
$20 \div 3 =$	$\underline{\hspace{1cm}} \div 5 = 9 \text{ r } 3$	$23 \div 3 =$	$47 \div 5 =$	$17 \div 3 =$
$50 \div 5 =$	$10 \div 3 =$	$42 \div 5 =$	$9 \div 5 =$	$49 \div 5 =$
$\underline{\hspace{1cm}} \div 3 = 5 \text{ r } 2$	$42 \div 5 =$	$11 \div 5 =$	$51 \div 5 =$	$5 \div \underline{\hspace{1cm}} = 1 \text{ r } 2$

- 5 & 3 x table with remainder.

Maths: Number Knowledge 60

Name _____ Date _____ Score _____

$10 \div 3 =$	$33 \div 5 =$	$34 \div 5 =$	$17 \div 5 =$	$7 \div \underline{\hspace{1cm}} = 2 \text{ r } 1$
$6 \div \underline{\hspace{1cm}} = 1 \text{ r } 1$	$\underline{\hspace{1cm}} \div 5 = 5 \text{ r } 4$	$15 \div 3 =$	$22 \div 5 =$	$61 \div 5 =$
$23 \div 3 =$	$20 \div 3 =$	$46 \div 5 =$	$39 \div 5 =$	$13 \div 3 =$
$9 \div 5 =$	$14 \div 3 =$	$38 \div 3 =$	$\underline{\hspace{1cm}} \div 3 = 1 \text{ r } 1$	$57 \div 5 =$
$21 \div 5 =$	$58 \div 5 =$	$22 \div 3 =$	$39 \div 5 =$	$19 \div 5 =$
$16 \div 3 =$	$19 \div 3 =$	$27 \div 5 =$	$\underline{\hspace{1cm}} \div 5 = 1 \text{ r } 2$	$31 \div 5 =$
$27 \div 5 =$	$28 \div 3 =$	$\underline{\hspace{1cm}} \div 3 = 5 \text{ r } 1$	$8 \div 3 =$	$14 \div 3 =$
$20 \div 3 =$	$\underline{\hspace{1cm}} \div 5 = 9 \text{ r } 3$	$23 \div 3 =$	$47 \div 5 =$	$17 \div 3 =$
$50 \div 5 =$	$10 \div 3 =$	$42 \div 5 =$	$9 \div 5 =$	$49 \div 5 =$
$\underline{\hspace{1cm}} \div 3 = 5 \text{ r } 2$	$42 \div 5 =$	$11 \div 5 =$	$51 \div 5 =$	$5 \div \underline{\hspace{1cm}} = 1 \text{ r } 2$

- 5 & 3 x table with remainder.

Maths: Number Knowledge 6P

Name _____ Date _____ Score _____

$12 \times 9 =$	$70 \div 7 =$	$100 - 23 =$	$20 \div 5 =$	$90 \div 10 =$
$81 \div \underline{\quad} = 9$	$6 \times 6 =$	$18 \div 3 =$	$\underline{\quad} + 78 = 100$	$6 \times \underline{\quad} = 72$
$3 \times 11 =$	$44 \div 11 =$	$11 \times 12 =$	$18 \div \underline{\quad} = 6$	$12 \times 11 =$
$10 \times 12 =$	$100 - 74 =$	$76 + \underline{\quad} = 100$	$\underline{\quad} \times 10 = 90$	$\underline{\quad} \times 12 = 108$
$12 \times 8 =$	$\underline{\quad} \times 6 = 30$	$4 \times 9 =$	$\underline{\quad} \div 4 = 7$	$55 \div 5 =$
$121 \div 11 =$	$7 \times \underline{\quad} = 35$	$36 \div 6 =$	$11 \times \underline{\quad} = 110$	$64 \div 8 =$
$144 \div \underline{\quad} = 12$	$43 + \underline{\quad} = 100$	$12 \div 2 =$	$53 + \underline{\quad} = 100$	$81 + \underline{\quad} = 100$
$25 \div \underline{\quad} = 5$	$5 \times 3 =$	$24 \div \underline{\quad} = 8$	$\underline{\quad} \times \underline{\quad} = 15$	$\underline{\quad} \div 2 = 7$
$11 \times 11 =$	$49 \div 7 =$	$9 \times 9 =$	$8 \times \underline{\quad} = 40$	$\underline{\quad} \div 5 = 8$
$56 \div \underline{\quad} = 7$	$4 \times 6 =$	$63 \div 7 =$	$27 \div 9 =$	$100 - 26 =$

- ALL times tables facts.
- Number bonds to 100.

Maths: Number Knowledge 6P

Name _____ Date _____ Score _____

$12 \times 9 =$	$70 \div 7 =$	$100 - 23 =$	$20 \div 5 =$	$90 \div 10 =$
$81 \div \underline{\quad} = 9$	$6 \times 6 =$	$18 \div 3 =$	$\underline{\quad} + 78 = 100$	$6 \times \underline{\quad} = 72$
$3 \times 11 =$	$44 \div 11 =$	$11 \times 12 =$	$18 \div \underline{\quad} = 6$	$12 \times 11 =$
$10 \times 12 =$	$100 - 74 =$	$76 + \underline{\quad} = 100$	$\underline{\quad} \times 10 = 90$	$\underline{\quad} \times 12 = 108$
$12 \times 8 =$	$\underline{\quad} \times 6 = 30$	$4 \times 9 =$	$\underline{\quad} \div 4 = 7$	$55 \div 5 =$
$121 \div 11 =$	$7 \times \underline{\quad} = 35$	$36 \div 6 =$	$11 \times \underline{\quad} = 110$	$64 \div 8 =$
$144 \div \underline{\quad} = 12$	$43 + \underline{\quad} = 100$	$12 \div 2 =$	$53 + \underline{\quad} = 100$	$81 + \underline{\quad} = 100$
$25 \div \underline{\quad} = 5$	$5 \times 3 =$	$24 \div \underline{\quad} = 8$	$\underline{\quad} \times \underline{\quad} = 15$	$\underline{\quad} \div 2 = 7$
$11 \times 11 =$	$49 \div 7 =$	$9 \times 9 =$	$8 \times \underline{\quad} = 40$	$\underline{\quad} \div 5 = 8$
$56 \div \underline{\quad} = 7$	$4 \times 6 =$	$63 \div 7 =$	$27 \div 9 =$	$100 - 26 =$

- ALL times tables facts.
- Number bonds to 100.

Maths: Number Knowledge 6Q???

Maths: Number Knowledge 6Q???

Maths: Number Knowledge 7A

Name _____ Date _____ Score _____

$\frac{1}{4}$ of 16 =	$\frac{1}{5}$ of 35 =	$\frac{1}{10}$ of 60 =	$\frac{1}{8}$ of 64 =	$\frac{1}{8}$ of 96 =
$\frac{1}{2}$ of 36 =	$\frac{1}{2}$ of 38 =	$\frac{1}{4}$ of 8 =	$\frac{2}{8}$ of 40 =	$\frac{2}{5}$ of 30 =
$\frac{1}{4}$ of 40 =	$\frac{1}{8}$ of 48 =	$\frac{1}{8}$ of 24 =	$\frac{1}{8}$ of 72 =	$\frac{5}{8}$ of 24 =
$\frac{1}{8}$ of 16 =	$\frac{1}{10}$ of 50 =	$\frac{1}{5}$ of 25 =	$\frac{3}{8}$ of 16 =	$\frac{4}{5}$ of 25 =
$\frac{1}{10}$ of 40 =	$\frac{1}{4}$ of 20	$\frac{1}{2}$ of 50 =	$\frac{1}{4}$ of 24 =	$\frac{3}{4}$ of 16 =
$\frac{1}{4}$ of 32 =	$\frac{1}{5}$ of 55 =	$\frac{1}{4}$ of 48 =	$\frac{1}{5}$ of 60 =	$\frac{3}{10}$ of 70 =
$\frac{1}{5}$ of 20 =	$\frac{1}{5}$ of 30 =	$\frac{1}{10}$ of 30 =	$\frac{1}{8}$ of 40 =	$\frac{3}{8}$ of 40 =
$\frac{1}{4}$ of 28 =	$\frac{1}{2}$ of 52 =	$\frac{1}{4}$ of 32 =	$\frac{1}{10}$ of 80 =	$\frac{3}{5}$ of 50 =
$\frac{1}{10}$ of 20 =	$\frac{1}{5}$ of 55 =	$\frac{1}{4}$ of 12	$\frac{1}{2}$ of 34 =	$\frac{1}{10}$ of 120 =
$\frac{1}{8}$ of 32 =	$\frac{1}{8}$ of 56 =	$\frac{1}{8}$ of 88 =	$\frac{1}{5}$ of 45 =	$\frac{8}{10}$ of 110 =

- Calculating halve $\frac{1}{2}$, quarter $\frac{1}{4}$, eighth $\frac{1}{8}$, $\frac{1}{5}$ a fifth, and $\frac{1}{10}$, a tenth of whole numbers.
- Calculating other fractions of a number e.g. $\frac{3}{8}$

Maths: Number Knowledge 7A

Name _____ Date _____ Score _____

$\frac{1}{4}$ of 16 =	$\frac{1}{5}$ of 35 =	$\frac{1}{10}$ of 60 =	$\frac{1}{8}$ of 64 =	$\frac{1}{8}$ of 96 =
$\frac{1}{2}$ of 36 =	$\frac{1}{2}$ of 38 =	$\frac{1}{4}$ of 8 =	$\frac{2}{8}$ of 40 =	$\frac{2}{5}$ of 30 =
$\frac{1}{4}$ of 40 =	$\frac{1}{8}$ of 48 =	$\frac{1}{8}$ of 24 =	$\frac{1}{8}$ of 72 =	$\frac{5}{8}$ of 24 =
$\frac{1}{8}$ of 16 =	$\frac{1}{10}$ of 50 =	$\frac{1}{5}$ of 25 =	$\frac{3}{8}$ of 16 =	$\frac{4}{5}$ of 25 =
$\frac{1}{10}$ of 40 =	$\frac{1}{4}$ of 20	$\frac{1}{2}$ of 50 =	$\frac{1}{4}$ of 24 =	$\frac{3}{4}$ of 16 =
$\frac{1}{4}$ of 32 =	$\frac{1}{5}$ of 55 =	$\frac{1}{4}$ of 48 =	$\frac{1}{5}$ of 60 =	$\frac{3}{10}$ of 70 =
$\frac{1}{5}$ of 20 =	$\frac{1}{5}$ of 30 =	$\frac{1}{10}$ of 30 =	$\frac{1}{8}$ of 40 =	$\frac{3}{8}$ of 40 =
$\frac{1}{4}$ of 28 =	$\frac{1}{2}$ of 52 =	$\frac{1}{4}$ of 32 =	$\frac{1}{10}$ of 80 =	$\frac{3}{5}$ of 50 =
$\frac{1}{10}$ of 20 =	$\frac{1}{5}$ of 55 =	$\frac{1}{4}$ of 12	$\frac{1}{2}$ of 34 =	$\frac{1}{10}$ of 120 =
$\frac{1}{8}$ of 32 =	$\frac{1}{8}$ of 56 =	$\frac{1}{8}$ of 88 =	$\frac{1}{5}$ of 45 =	$\frac{8}{10}$ of 110 =

- Calculating halve $\frac{1}{2}$, quarter $\frac{1}{4}$, eighth $\frac{1}{8}$, $\frac{1}{5}$ a fifth, and $\frac{1}{10}$, a tenth of whole numbers.
- Calculating other fractions of a number e.g. $\frac{3}{8}$

Maths: Number Knowledge 7B

Name _____ Date _____ Score _____

$\frac{3}{4}$ of 16 =	$\frac{1}{4}$ of 20 =	$\frac{1}{8}$ of 72 =	$\frac{1}{4}$ of _____ = 8	$\frac{3}{4}$ of _____ = 18
$\frac{1}{4}$ of 36 =	$\frac{3}{4}$ of _____ = 33	$\frac{3}{4}$ of 28 =	$\frac{3}{8}$ of 64 =	$\frac{1}{2}$ of 72 =
$\frac{1}{8}$ of _____ = 4	$\frac{1}{8}$ of 64 =	$\frac{1}{4}$ of 48 =	$\frac{1}{2}$ of _____ = 54	$\frac{1}{4}$ of 28 =
$\frac{5}{8}$ of 80 =	$\frac{1}{2}$ of _____ = 29	$\frac{3}{4}$ of _____ = 21	$\frac{1}{4}$ of 52 =	$\frac{1}{8}$ of 24 =
$\frac{1}{2}$ of 76 =	$\frac{1}{2}$ of 96 =	$\frac{1}{4}$ of _____ = 11	$\frac{3}{4}$ of _____ = 6	$\frac{3}{4}$ of 36 =
$\frac{3}{8}$ of 32 =	$\frac{1}{4}$ of _____ = 12	$\frac{3}{8}$ of 40 =	$\frac{1}{8}$ of 48 =	$\frac{3}{8}$ of 48 =
$\frac{1}{2}$ of _____ = 37	$\frac{3}{4}$ of 32 =	$\frac{1}{2}$ of 38 =	$\frac{3}{4}$ of 48 =	$\frac{1}{2}$ of _____ = 67
$\frac{1}{4}$ of _____ = 6	$\frac{1}{8}$ of _____ = 2	$\frac{1}{2}$ of _____ = 33	$\frac{5}{8}$ of 88 =	$\frac{1}{4}$ of _____ = 3
$\frac{1}{8}$ of 56 =	$\frac{1}{2}$ of _____ = 67	$\frac{3}{8}$ of _____ = 6	$\frac{1}{2}$ of 56 =	$\frac{5}{8}$ of _____ = 35
$\frac{3}{4}$ of _____ = 15	$\frac{1}{2}$ of _____ = 43	$\frac{1}{8}$ of _____ = 8	$\frac{1}{8}$ of _____ = 12	$\frac{1}{8}$ of _____ = 9

- Calculating halve $\frac{1}{2}$, quarter $\frac{1}{4}$, eighth $\frac{1}{8}$ of whole numbers.
- Calculating the whole when given a fraction of an amount (e.g. $\frac{1}{2}$ of _____ = 41)

Maths: Number Knowledge 7B

Name _____ Date _____ Score _____

$\frac{3}{4}$ of 16 =	$\frac{1}{4}$ of 20 =	$\frac{1}{8}$ of 72 =	$\frac{1}{4}$ of _____ = 8	$\frac{3}{4}$ of _____ = 18
$\frac{1}{4}$ of 36 =	$\frac{3}{4}$ of _____ = 33	$\frac{3}{4}$ of 28 =	$\frac{3}{8}$ of 64 =	$\frac{1}{2}$ of 72 =
$\frac{1}{8}$ of _____ = 4	$\frac{1}{8}$ of 64 =	$\frac{1}{4}$ of 48 =	$\frac{1}{2}$ of _____ = 54	$\frac{1}{4}$ of 28 =
$\frac{5}{8}$ of 80 =	$\frac{1}{2}$ of _____ = 29	$\frac{3}{4}$ of _____ = 21	$\frac{1}{4}$ of 52 =	$\frac{1}{8}$ of 24 =
$\frac{1}{2}$ of 76 =	$\frac{1}{2}$ of 96 =	$\frac{1}{4}$ of _____ = 11	$\frac{3}{4}$ of _____ = 6	$\frac{3}{4}$ of 36 =
$\frac{3}{8}$ of 32 =	$\frac{1}{4}$ of _____ = 12	$\frac{3}{8}$ of 40 =	$\frac{1}{8}$ of 48 =	$\frac{3}{8}$ of 48 =
$\frac{1}{2}$ of _____ = 37	$\frac{3}{4}$ of 32 =	$\frac{1}{2}$ of 38 =	$\frac{3}{4}$ of 48 =	$\frac{1}{2}$ of _____ = 67
$\frac{1}{4}$ of _____ = 6	$\frac{1}{8}$ of _____ = 2	$\frac{1}{2}$ of _____ = 33	$\frac{5}{8}$ of 88 =	$\frac{1}{4}$ of _____ = 3
$\frac{1}{8}$ of 56 =	$\frac{1}{2}$ of _____ = 67	$\frac{3}{8}$ of _____ = 6	$\frac{1}{2}$ of 56 =	$\frac{5}{8}$ of _____ = 35
$\frac{3}{4}$ of _____ = 15	$\frac{1}{2}$ of _____ = 43	$\frac{1}{8}$ of _____ = 8	$\frac{1}{8}$ of _____ = 12	$\frac{1}{8}$ of _____ = 9

- Calculating halve $\frac{1}{2}$, quarter $\frac{1}{4}$, eighth $\frac{1}{8}$ of whole numbers.
- Calculating the whole when given a fraction of an amount (e.g. $\frac{1}{2}$ of _____ = 41)

Maths: Number Knowledge 7C

Name _____ Date _____ Score _____

$\frac{1}{5}$ of 25 =	$\frac{1}{10}$ of 40 =	$\frac{2}{10}$ of 50 =	$\frac{8}{10}$ of 70 =	$\frac{4}{5}$ of _____ = 12
$\frac{8}{10}$ of 20 =	$\frac{4}{5}$ of 30 =	$\frac{1}{5}$ of _____ = 4	$\frac{2}{5}$ of 20 =	$\frac{1}{10}$ of 90 =
$\frac{1}{10}$ of 60 =	$\frac{2}{5}$ of _____ = 24	$\frac{1}{10}$ of _____ = 9	$\frac{2}{10}$ of 100 =	$\frac{4}{5}$ of 25 =
$\frac{3}{10}$ of 50 =	$\frac{5}{10}$ of 70 =	$\frac{1}{10}$ of 120 =	$\frac{1}{10}$ of _____ = 7	$\frac{1}{10}$ of _____ = 5
$\frac{2}{10}$ of 20 =	$\frac{3}{10}$ of 90 =	$\frac{2}{5}$ of _____ = 18	$\frac{3}{5}$ of 10 =	$\frac{3}{10}$ of _____ = 21
$\frac{1}{10}$ of _____ = 3	$\frac{1}{5}$ of 60 =	$\frac{3}{10}$ of 60 =	$\frac{9}{10}$ of _____ = 45	$\frac{2}{5}$ of 45 =
$\frac{1}{5}$ of _____ = 10	$\frac{2}{10}$ of 30 =	$\frac{3}{5}$ of 35 =	$\frac{1}{10}$ of 80 =	$\frac{7}{10}$ of _____ = 56
$\frac{2}{5}$ of _____ = 12	$\frac{1}{10}$ of _____ = 12	$\frac{5}{10}$ of 130 =	$\frac{3}{10}$ of _____ = 12	$\frac{2}{10}$ of 90 =
$\frac{5}{10}$ of 50 =	$\frac{2}{5}$ of _____ = 16	$\frac{8}{10}$ of _____ = 16	$\frac{1}{5}$ of _____ = 9	$\frac{8}{10}$ of 100 =
$\frac{2}{5}$ of 15 =	$\frac{8}{10}$ of 40 =	$\frac{1}{5}$ of 40 =	$\frac{4}{5}$ of _____ = 32	$\frac{3}{5}$ of 55 =

- Calculating fifth ($\frac{1}{5}$) and a tenth ($\frac{1}{10}$) of whole numbers.
- Calculating the whole when given a fraction of an amount (e.g. $\frac{1}{5}$ of _____ = 4)

Maths: Number Knowledge 7C

Name _____ Date _____ Score _____

$\frac{1}{5}$ of 25 =	$\frac{1}{10}$ of 40 =	$\frac{2}{10}$ of 50 =	$\frac{8}{10}$ of 70 =	$\frac{4}{5}$ of _____ = 12
$\frac{8}{10}$ of 20 =	$\frac{4}{5}$ of 30 =	$\frac{1}{5}$ of _____ = 4	$\frac{2}{5}$ of 20 =	$\frac{1}{10}$ of 90 =
$\frac{1}{10}$ of 60 =	$\frac{2}{5}$ of _____ = 24	$\frac{1}{10}$ of _____ = 9	$\frac{2}{10}$ of 100 =	$\frac{4}{5}$ of 25 =
$\frac{3}{10}$ of 50 =	$\frac{5}{10}$ of 70 =	$\frac{1}{10}$ of 120 =	$\frac{1}{10}$ of _____ = 7	$\frac{1}{10}$ of _____ = 5
$\frac{2}{10}$ of 20 =	$\frac{3}{10}$ of 90 =	$\frac{2}{5}$ of _____ = 18	$\frac{3}{5}$ of 10 =	$\frac{3}{10}$ of _____ = 21
$\frac{1}{10}$ of _____ = 3	$\frac{1}{5}$ of 60 =	$\frac{3}{10}$ of 60 =	$\frac{9}{10}$ of _____ = 45	$\frac{2}{5}$ of 45 =
$\frac{1}{5}$ of _____ = 10	$\frac{2}{10}$ of 30 =	$\frac{3}{5}$ of 35 =	$\frac{1}{10}$ of 80 =	$\frac{7}{10}$ of _____ = 56
$\frac{2}{5}$ of _____ = 12	$\frac{1}{10}$ of _____ = 12	$\frac{5}{10}$ of 130 =	$\frac{3}{10}$ of _____ = 12	$\frac{2}{10}$ of 90 =
$\frac{5}{10}$ of 50 =	$\frac{2}{5}$ of _____ = 16	$\frac{8}{10}$ of _____ = 16	$\frac{1}{5}$ of _____ = 9	$\frac{8}{10}$ of 100 =
$\frac{2}{5}$ of 15 =	$\frac{8}{10}$ of 40 =	$\frac{1}{5}$ of 40 =	$\frac{4}{5}$ of _____ = 32	$\frac{3}{5}$ of 55 =

- Calculating fifth ($\frac{1}{5}$) and a tenth ($\frac{1}{10}$) of whole numbers.
- Calculating the whole when given a fraction of an amount (e.g. $\frac{1}{5}$ of _____ = 4)

Maths: Number Knowledge 7D

Name _____ Date _____ Score _____

$\frac{1}{3}$ of 30 =	$\frac{1}{7}$ of 49 =	$\frac{1}{9}$ of 81 =	$\frac{2}{7}$ of 14 =	$\frac{8}{9}$ of 18 =
$\frac{1}{7}$ of 14 =	$\frac{1}{3}$ of 15 =	$\frac{1}{7}$ of 77 =	$\frac{4}{9}$ of 27 =	$\frac{1}{9}$ of 108 =
$\frac{1}{9}$ of 9 =	$\frac{1}{7}$ of 28 =	$\frac{1}{3}$ of 24 =	$\frac{2}{3}$ of 6 =	$\frac{3}{6}$ of 36 =
$\frac{1}{6}$ of 30 =	$\frac{1}{6}$ of 12 =	$\frac{1}{7}$ of 56 =	$\frac{1}{9}$ of 27 =	$\frac{1}{3}$ of 36 =
$\frac{1}{3}$ of 21 =	$\frac{1}{3}$ of 33 =	$\frac{1}{6}$ of 6 =	$\frac{2}{3}$ of 18 =	$\frac{4}{7}$ of 84 =
$\frac{1}{7}$ of 56 =	$\frac{1}{6}$ of 54 =	$\frac{1}{9}$ of 72 =	$\frac{2}{6}$ of 24 =	$\frac{3}{7}$ of 35 =
$\frac{1}{9}$ of 99 =	$\frac{1}{9}$ of 45 =	$\frac{1}{7}$ of 35 =	$\frac{1}{7}$ of 84 =	$\frac{5}{6}$ of 12 =
$\frac{1}{3}$ of 18 =	$\frac{1}{9}$ of 54 =	$\frac{1}{3}$ of 27 =	$\frac{2}{3}$ of 33 =	$\frac{4}{9}$ of 45 =
$\frac{1}{6}$ of 36 =	$\frac{1}{6}$ of 24 =	$\frac{1}{7}$ of 63 =	$\frac{2}{7}$ of 42 =	$\frac{1}{6}$ of 72 =
$\frac{1}{6}$ of 48 =	$\frac{1}{7}$ of 42 =	$\frac{1}{9}$ of 36 =	$\frac{6}{9}$ of 90 =	$\frac{2}{6}$ of 30 =

- Calculating third ($\frac{1}{3}$) and a sixth ($\frac{1}{6}$), ($\frac{1}{7}$) seventh and ($\frac{1}{9}$) ninth of whole numbers.
- Calculating fractions such as $\frac{2}{7}$ etc.

Maths: Number Knowledge 7D

Name _____ Date _____ Score _____

$\frac{1}{3}$ of 30 =	$\frac{1}{7}$ of 49 =	$\frac{1}{9}$ of 81 =	$\frac{2}{7}$ of 14 =	$\frac{8}{9}$ of 18 =
$\frac{1}{7}$ of 14 =	$\frac{1}{3}$ of 15 =	$\frac{1}{7}$ of 77 =	$\frac{4}{9}$ of 27 =	$\frac{1}{9}$ of 108 =
$\frac{1}{9}$ of 9 =	$\frac{1}{7}$ of 28 =	$\frac{1}{3}$ of 24 =	$\frac{2}{3}$ of 6 =	$\frac{3}{6}$ of 36 =
$\frac{1}{6}$ of 30 =	$\frac{1}{6}$ of 12 =	$\frac{1}{7}$ of 56 =	$\frac{1}{9}$ of 27 =	$\frac{1}{3}$ of 36 =
$\frac{1}{3}$ of 21 =	$\frac{1}{3}$ of 33 =	$\frac{1}{6}$ of 6 =	$\frac{2}{3}$ of 18 =	$\frac{4}{7}$ of 84 =
$\frac{1}{7}$ of 56 =	$\frac{1}{6}$ of 54 =	$\frac{1}{9}$ of 72 =	$\frac{2}{6}$ of 24 =	$\frac{3}{7}$ of 35 =
$\frac{1}{9}$ of 99 =	$\frac{1}{9}$ of 45 =	$\frac{1}{7}$ of 35 =	$\frac{1}{7}$ of 84 =	$\frac{5}{6}$ of 12 =
$\frac{1}{3}$ of 18 =	$\frac{1}{9}$ of 54 =	$\frac{1}{3}$ of 27 =	$\frac{2}{3}$ of 33 =	$\frac{4}{9}$ of 45 =
$\frac{1}{6}$ of 36 =	$\frac{1}{6}$ of 24 =	$\frac{1}{7}$ of 63 =	$\frac{2}{7}$ of 42 =	$\frac{1}{6}$ of 72 =
$\frac{1}{6}$ of 48 =	$\frac{1}{7}$ of 42 =	$\frac{1}{9}$ of 36 =	$\frac{6}{9}$ of 90 =	$\frac{2}{6}$ of 30 =

- Calculating third ($\frac{1}{3}$) and a sixth ($\frac{1}{6}$), ($\frac{1}{7}$) seventh and ($\frac{1}{9}$) ninth of whole numbers.
- Calculating fractions such as $\frac{2}{7}$ etc.

Maths: Number Knowledge 7E

Name _____ Date _____ Score _____

$\frac{1}{3}$ of 24 =	$\frac{1}{6}$ of 42 =	$\frac{2}{3}$ of 27 =	$\frac{1}{3}$ of _____ = 5	$\frac{1}{3}$ of 9 =
$\frac{1}{6}$ of 24 =	$\frac{5}{6}$ of 54 =	$\frac{1}{6}$ of 18 =	$\frac{2}{6}$ of 42 =	$\frac{2}{6}$ of _____ = 22
$\frac{1}{6}$ of _____ = 7	$\frac{2}{3}$ of 21 =	$\frac{4}{6}$ of _____ = 16	$\frac{5}{6}$ of _____ = 40	$\frac{2}{3}$ of 36 =
$\frac{5}{6}$ of 18 =	$\frac{1}{6}$ of _____ = 6	$\frac{2}{3}$ of _____ = 8	$\frac{1}{3}$ of 18 =	$\frac{1}{6}$ of _____ = 9
$\frac{1}{3}$ of _____ = 6	$\frac{3}{6}$ of 30 =	$\frac{5}{6}$ of 36 =	$\frac{4}{6}$ of _____ = 12	$\frac{1}{6}$ of 12 =
$\frac{2}{6}$ of 72 =	$\frac{1}{3}$ of 6 =	$\frac{1}{6}$ of 54 =	$\frac{1}{6}$ of 66 =	$\frac{2}{6}$ of 48 =
$\frac{1}{6}$ of _____ = 4	$\frac{1}{3}$ of _____ = 10	$\frac{1}{6}$ of _____ = 5	$\frac{5}{6}$ of 48 =	$\frac{1}{3}$ of _____ = 7
$\frac{1}{3}$ of 15 =	$\frac{1}{6}$ of _____ = 11	$\frac{1}{3}$ of _____ = 3	$\frac{1}{3}$ of _____ = 11	$\frac{3}{6}$ of _____ = 16
$\frac{3}{6}$ of 48 =	$\frac{1}{6}$ of 60 =	$\frac{2}{6}$ of _____ = 16	$\frac{1}{6}$ of _____ = 3	$\frac{1}{3}$ of 30 =
$\frac{2}{3}$ of 39 =	$\frac{2}{3}$ of _____ = 18	$\frac{2}{3}$ of 33 =	$\frac{1}{3}$ of 12 =	$\frac{1}{6}$ of 30 =

- Calculating third ($\frac{1}{3}$) and a sixth ($\frac{1}{6}$) of whole numbers.
- Calculating the whole when given a fraction of an amount (e.g. $\frac{1}{3}$ of _____ = 4)

Maths: Number Knowledge 7E

Name _____ Date _____ Score _____

$\frac{1}{3}$ of 24 =	$\frac{1}{6}$ of 42 =	$\frac{2}{3}$ of 27 =	$\frac{1}{3}$ of _____ = 5	$\frac{1}{3}$ of 9 =
$\frac{1}{6}$ of 24 =	$\frac{5}{6}$ of 54 =	$\frac{1}{6}$ of 18 =	$\frac{2}{6}$ of 42 =	$\frac{2}{6}$ of _____ = 22
$\frac{1}{6}$ of _____ = 7	$\frac{2}{3}$ of 21 =	$\frac{4}{6}$ of _____ = 16	$\frac{5}{6}$ of _____ = 40	$\frac{2}{3}$ of 36 =
$\frac{5}{6}$ of 18 =	$\frac{1}{6}$ of _____ = 6	$\frac{2}{3}$ of _____ = 8	$\frac{1}{3}$ of 18 =	$\frac{1}{6}$ of _____ = 9
$\frac{1}{3}$ of _____ = 6	$\frac{3}{6}$ of 30 =	$\frac{5}{6}$ of 36 =	$\frac{4}{6}$ of _____ = 12	$\frac{1}{6}$ of 12 =
$\frac{2}{6}$ of 72 =	$\frac{1}{3}$ of 6 =	$\frac{1}{6}$ of 54 =	$\frac{1}{6}$ of 66 =	$\frac{2}{6}$ of 48 =
$\frac{1}{6}$ of _____ = 4	$\frac{1}{3}$ of _____ = 10	$\frac{1}{6}$ of _____ = 5	$\frac{5}{6}$ of 48 =	$\frac{1}{3}$ of _____ = 7
$\frac{1}{3}$ of 15 =	$\frac{1}{6}$ of _____ = 11	$\frac{1}{3}$ of _____ = 3	$\frac{1}{3}$ of _____ = 11	$\frac{3}{6}$ of _____ = 16
$\frac{3}{6}$ of 48 =	$\frac{1}{6}$ of 60 =	$\frac{2}{6}$ of _____ = 16	$\frac{1}{6}$ of _____ = 3	$\frac{1}{3}$ of 30 =
$\frac{2}{3}$ of 39 =	$\frac{2}{3}$ of _____ = 18	$\frac{2}{3}$ of 33 =	$\frac{1}{3}$ of 12 =	$\frac{1}{6}$ of 30 =

- Calculating third ($\frac{1}{3}$) and a sixth ($\frac{1}{6}$) of whole numbers.
- Calculating the whole when given a fraction of an amount (e.g. $\frac{1}{3}$ of _____ = 4)

Maths: Number Knowledge 7F

Name _____ Date _____ Score _____

$\frac{1}{7}$ of 21 =	$\frac{2}{7}$ of 56 =	$\frac{2}{9}$ of 90 =	$\frac{1}{7}$ of 77 =	$\frac{3}{7}$ of _____ = 12
$\frac{2}{7}$ of _____ = 14	$\frac{1}{9}$ of _____ = 3	$\frac{1}{7}$ of 14 =	$\frac{1}{9}$ of 72 =	$\frac{1}{7}$ of 35 =
$\frac{1}{9}$ of 18 =	$\frac{1}{7}$ of 63 =	$\frac{2}{9}$ of _____ = 24	$\frac{1}{9}$ of 27 =	$\frac{3}{9}$ of _____ = 15
$\frac{2}{7}$ of 70 =	$\frac{1}{9}$ of 45 =	$\frac{3}{7}$ of 42 =	$\frac{1}{7}$ of 56 =	$\frac{5}{7}$ of _____ = 25
$\frac{2}{9}$ of 18 =	$\frac{6}{9}$ of _____ = 18	$\frac{1}{9}$ of _____ = 7	$\frac{2}{7}$ of _____ = 18	$\frac{2}{7}$ of 42 =
$\frac{1}{9}$ of _____ = 11	$\frac{5}{7}$ of 35 =	$\frac{1}{9}$ of 36 =	$\frac{1}{9}$ of _____ = 8	$\frac{1}{9}$ of 54 =
$\frac{3}{7}$ of 28 =	$\frac{2}{9}$ of 81 =	$\frac{1}{7}$ of 70 =	$\frac{4}{7}$ of 63 =	$\frac{8}{9}$ of _____ = 72
$\frac{5}{9}$ of _____ = 35	$\frac{3}{7}$ of 14 =	$\frac{5}{9}$ of 45 =	$\frac{7}{9}$ of _____ = 42	$\frac{1}{7}$ of 49 =
$\frac{1}{7}$ of 42 =	$\frac{2}{7}$ of _____ = 6	$\frac{5}{7}$ of _____ = 30	$\frac{1}{7}$ of 28 =	$\frac{1}{9}$ of 108 =
$\frac{6}{7}$ of _____ = 48	$\frac{1}{9}$ of 63 =	$\frac{1}{7}$ of 84 =	$\frac{1}{9}$ of 81 =	$\frac{4}{7}$ of 84 =

- Calculating seventh ($\frac{1}{7}$) and a ninth ($\frac{1}{9}$) of whole numbers.
- Calculating the whole when given a fraction of an amount (e.g. $\frac{1}{7}$ of _____ = 4)

Maths: Number Knowledge 7F

Name _____ Date _____ Score _____

$\frac{1}{7}$ of 21 =	$\frac{2}{7}$ of 56 =	$\frac{2}{9}$ of 90 =	$\frac{1}{7}$ of 77 =	$\frac{3}{7}$ of _____ = 12
$\frac{2}{7}$ of _____ = 14	$\frac{1}{9}$ of _____ = 3	$\frac{1}{7}$ of 14 =	$\frac{1}{9}$ of 72 =	$\frac{1}{7}$ of 35 =
$\frac{1}{9}$ of 18 =	$\frac{1}{7}$ of 63 =	$\frac{2}{9}$ of _____ = 24	$\frac{1}{9}$ of 27 =	$\frac{3}{9}$ of _____ = 15
$\frac{2}{7}$ of 70 =	$\frac{1}{9}$ of 45 =	$\frac{3}{7}$ of 42 =	$\frac{1}{7}$ of 56 =	$\frac{5}{7}$ of _____ = 25
$\frac{2}{9}$ of 18 =	$\frac{6}{9}$ of _____ = 18	$\frac{1}{9}$ of _____ = 7	$\frac{2}{7}$ of _____ = 18	$\frac{2}{7}$ of 42 =
$\frac{1}{9}$ of _____ = 11	$\frac{5}{7}$ of 35 =	$\frac{1}{9}$ of 36 =	$\frac{1}{9}$ of _____ = 8	$\frac{1}{9}$ of 54 =
$\frac{3}{7}$ of 28 =	$\frac{2}{9}$ of 81 =	$\frac{1}{7}$ of 70 =	$\frac{4}{7}$ of 63 =	$\frac{8}{9}$ of _____ = 72
$\frac{5}{9}$ of _____ = 35	$\frac{3}{7}$ of 14 =	$\frac{5}{9}$ of 45 =	$\frac{7}{9}$ of _____ = 42	$\frac{1}{7}$ of 49 =
$\frac{1}{7}$ of 42 =	$\frac{2}{7}$ of _____ = 6	$\frac{5}{7}$ of _____ = 30	$\frac{1}{7}$ of 28 =	$\frac{1}{9}$ of 108 =
$\frac{6}{7}$ of _____ = 48	$\frac{1}{9}$ of 63 =	$\frac{1}{7}$ of 84 =	$\frac{1}{9}$ of 81 =	$\frac{4}{7}$ of 84 =

- Calculating seventh ($\frac{1}{7}$) and a ninth ($\frac{1}{9}$) of whole numbers.
- Calculating the whole when given a fraction of an amount (e.g. $\frac{1}{7}$ of _____ = 4)

Maths: Number Knowledge 7G

Name _____ Date _____ Score _____

$2 \frac{5}{7} = \underline{\hspace{1cm}} / 7$	$34/6 =$	$18/5 =$	$9/4 =$	$13/3 =$
$51/8 =$	$2 \frac{2}{6} = \underline{\hspace{1cm}} / 6$	$1 \frac{8}{9} = \underline{\hspace{1cm}} / 9$	$3 \frac{4}{9} = \underline{\hspace{1cm}} / 9$	$3 \frac{3}{10} = \underline{\hspace{1cm}} / 10$
$3 \frac{2}{3} = \underline{\hspace{1cm}} / 3$	$30/4 =$	$6 \frac{3}{5} = \underline{\hspace{1cm}} / 5$	$15/6 =$	$72/10 =$
$1 \frac{5}{6} = \underline{\hspace{1cm}} / 6$	$12/5 =$	$31/3 =$	$2 \frac{3}{4} = \underline{\hspace{1cm}} / 4$	$5 \frac{2}{5} = \underline{\hspace{1cm}} / 5$
$34/4 =$	$5 \frac{3}{4} = \underline{\hspace{1cm}} / 4$	$21/4 =$	$1 \frac{5}{7} = \underline{\hspace{1cm}} / 7$	$6 \frac{1}{2} = \underline{\hspace{1cm}} / 2$
$85/10 =$	$17/4 =$	$46/7 =$	$6 \frac{4}{5} = \underline{\hspace{1cm}} / 5$	$19/4 =$
$2 \frac{6}{8} = \underline{\hspace{1cm}} / 8$	$1 \frac{9}{10} = \underline{\hspace{1cm}} / 10$	$34/5 =$	$3 \frac{4}{7} = \underline{\hspace{1cm}} / 7$	$34/9 =$
$7/2 =$	$20/8 =$	$22/3 =$	$3 \frac{1}{3} = \underline{\hspace{1cm}} / 3$	$2 \frac{6}{7} = \underline{\hspace{1cm}} / 7$
$4 \frac{1}{4} = \underline{\hspace{1cm}} / 4$	$43/5 =$	$2 \frac{2}{4} = \underline{\hspace{1cm}} / 4$	$29/4 =$	$81/8 =$
$17/3 =$	$3 \frac{4}{5} = \underline{\hspace{1cm}} / 5$	$50/4 =$	$25/7 =$	$29/5 =$

- Changing improper fractions to a mixed number and vica-versa.

Maths: Number Knowledge 7G

Name _____ Date _____ Score _____

$2 \frac{5}{7} = \underline{\hspace{1cm}} / 7$	$34/6 =$	$18/5 =$	$9/4 =$	$13/3 =$
$51/8 =$	$2 \frac{2}{6} = \underline{\hspace{1cm}} / 6$	$1 \frac{8}{9} = \underline{\hspace{1cm}} / 9$	$3 \frac{4}{9} = \underline{\hspace{1cm}} / 9$	$3 \frac{3}{10} = \underline{\hspace{1cm}} / 10$
$3 \frac{2}{3} = \underline{\hspace{1cm}} / 3$	$30/4 =$	$6 \frac{3}{5} = \underline{\hspace{1cm}} / 5$	$15/6 =$	$72/10 =$
$1 \frac{5}{6} = \underline{\hspace{1cm}} / 6$	$12/5 =$	$31/3 =$	$2 \frac{3}{4} = \underline{\hspace{1cm}} / 4$	$5 \frac{2}{5} = \underline{\hspace{1cm}} / 5$
$34/4 =$	$5 \frac{3}{4} = \underline{\hspace{1cm}} / 4$	$21/4 =$	$1 \frac{5}{7} = \underline{\hspace{1cm}} / 7$	$6 \frac{1}{2} = \underline{\hspace{1cm}} / 2$
$85/10 =$	$17/4 =$	$46/7 =$	$6 \frac{4}{5} = \underline{\hspace{1cm}} / 5$	$19/4 =$
$2 \frac{6}{8} = \underline{\hspace{1cm}} / 8$	$1 \frac{9}{10} = \underline{\hspace{1cm}} / 10$	$34/5 =$	$3 \frac{4}{7} = \underline{\hspace{1cm}} / 7$	$34/9 =$
$7/2 =$	$20/8 =$	$22/3 =$	$3 \frac{1}{3} = \underline{\hspace{1cm}} / 3$	$2 \frac{6}{7} = \underline{\hspace{1cm}} / 7$
$4 \frac{1}{4} = \underline{\hspace{1cm}} / 4$	$43/5 =$	$2 \frac{2}{4} = \underline{\hspace{1cm}} / 4$	$29/4 =$	$81/8 =$
$17/3 =$	$3 \frac{4}{5} = \underline{\hspace{1cm}} / 5$	$50/4 =$	$25/7 =$	$29/5 =$

- Changing improper fractions to a mixed number and vica-versa.

Maths: Number Knowledge 7H

Name _____ Date _____ Score _____

$5^2 + 2^2 =$	$9^2 =$	$\sqrt{169} =$	$\sqrt{9} =$	$\sqrt{49} =$
$\sqrt{81} =$	$10^3 =$	$2^3 + 2^3 =$	$11^2 =$	$5^2 =$
$1^2 + 8^2 =$	$2^3 =$	$2^2 =$	$5^2 - 4^2 =$	$4^3 =$
$10^2 =$	$\sqrt{25} =$	$30^2 =$	$\sqrt{100} =$	$9^2 - 4^2 =$
$3^2 + 4^2 =$	$7^2 - 3^2 =$	$\sqrt{144} =$	$10^3 =$	$\sqrt{16} =$
$2^3 + 7^2 =$	$3^2 =$	$13^2 =$	$4^2 =$	$12^2 =$
$\sqrt{64} =$	$8^2 =$	$9^2 - 7^2 =$	$\sqrt{81} =$	$4^2 + 9^2 =$
$3^3 =$	$10^2 - 2^3 =$	$\sqrt{36} =$	$\sqrt{225} =$	$20^2 =$
$6^2 =$	$15^2 =$	$4^2 + 4^2 =$	$5^3 =$	$\sqrt{121} =$
$\sqrt{121} =$	$\sqrt{144} =$	$7^2 =$	$\sqrt{4} =$	$8^2 =$

- Squaring numbers or finding the square root.
- Cube numbers.

Maths: Number Knowledge 7H

Name _____ Date _____ Score _____

$5^2 + 2^2 =$	$9^2 =$	$\sqrt{169} =$	$\sqrt{9} =$	$\sqrt{49} =$
$\sqrt{81} =$	$10^3 =$	$2^3 + 2^3 =$	$11^2 =$	$5^2 =$
$1^2 + 8^2 =$	$2^3 =$	$2^2 =$	$5^2 - 4^2 =$	$4^3 =$
$10^2 =$	$\sqrt{25} =$	$30^2 =$	$\sqrt{100} =$	$9^2 - 4^2 =$
$3^2 + 4^2 =$	$7^2 - 3^2 =$	$\sqrt{144} =$	$10^3 =$	$\sqrt{16} =$
$2^3 + 7^2 =$	$3^2 =$	$13^2 =$	$4^2 =$	$12^2 =$
$\sqrt{64} =$	$8^2 =$	$9^2 - 7^2 =$	$\sqrt{81} =$	$4^2 + 9^2 =$
$3^3 =$	$10^2 - 2^3 =$	$\sqrt{36} =$	$\sqrt{225} =$	$20^2 =$
$6^2 =$	$15^2 =$	$4^2 + 4^2 =$	$5^3 =$	$\sqrt{121} =$
$\sqrt{121} =$	$\sqrt{144} =$	$7^2 =$	$\sqrt{4} =$	$8^2 =$

- Squaring numbers or finding the square root.
- Cube numbers.

Maths: Number Knowledge 7I

Name _____ Date _____ Score _____/36

60 = 1,2,3,4,5,6	72 = 1,2,3,4,6	35 =
2 nd prime =	4 th prime =	2 nd prime + 5 th prime =
9 =	32 = 1,2,4	4 th prime + 1 st prime =
42 = 1,2,3,6,7	5 th prime + 7 th prime =	36 = 1,2,3,4
1 st prime =	24 = 1,2,3,4	64 = 1,2,4
25 =	100 = 1,24,5	8 th prime =
52 = 1,2,4	7 th prime =	84 = 1,2,3,4,6
6 th prime =	18 = 1,2,3	3 rd prime + 7 th prime =
30 = 1,2,3,5,6	16 = 1,2,4	90 = 1,2,3,5,6
5 th prime - 2 nd prime =	5 th prime =	3 rd prime =
49 =	81 = 1,3,9	44 = 1,2,4
7 th prime - 3 rd prime =	9 th prime =	9 th prime + 6 th prime =

- Listing the factors of whole numbers (up to 100).(in harder ones some of the factors are given for you)
- Prime numbers (this does NOT include one) that are less than 20.

Maths: Number Knowledge 7I

Name _____ Date _____ Score _____/36

60 = 1,2,3,4,5,6	72 = 1,2,3,4,6	35 =
2 nd prime =	4 th prime =	2 nd prime + 5 th prime =
9 =	32 = 1,2,4	4 th prime + 1 st prime =
42 = 1,2,3,6,7	5 th prime + 7 th prime =	36 = 1,2,3,4
1 st prime =	24 = 1,2,3,4	64 = 1,2,4
25 =	100 = 1,24,5	8 th prime =
52 = 1,2,4	7 th prime =	84 = 1,2,3,4,6
6 th prime =	18 = 1,2,3	3 rd prime + 7 th prime =
30 = 1,2,3,5,6	16 = 1,2,4	90 = 1,2,3,5,6
5 th prime - 2 nd prime =	5 th prime =	3 rd prime =
49 =	81 = 1,3,9	44 = 1,2,4
7 th prime - 3 rd prime =	9 th prime =	9 th prime + 6 th prime =

- Listing the factors of whole numbers (up to 100).(in harder ones some of the factors are given for you)
- Prime numbers (this does NOT include one) that are less than 20.

Maths: Number Knowledge 7J

Name _____ Date _____ Score _____/36

35/5 =	33/99 =	12/15 =
15/72 =	42/70 =	27/36 =
22/50 =	55/90 =	36/64 =
12/75 =	72/80 =	38/50 =
5/75 =	11/55 =	18/54 =
8/20 =	72/144 =	60/90 =
36/60 =	81/108 =	30/50 =
20/25 =	22/88 =	48/60 =
32/40 =	32/40 =	3/75 =
80/100 =	12/30 =	30/72 =
37/50 =	12/72 =	12/60 =
15/60 =	20/100 =	25/100 =

- Simplifying fractions.

Maths: Number Knowledge 7J

Name _____ Date _____ Score _____/36

35/5 =	33/99 =	12/15 =
15/72 =	42/70 =	27/36 =
22/50 =	55/90 =	36/64 =
12/75 =	72/80 =	38/50 =
5/75 =	11/55 =	18/54 =
8/20 =	72/144 =	60/90 =
36/60 =	81/108 =	30/50 =
20/25 =	22/88 =	48/60 =
32/40 =	32/40 =	3/75 =
80/100 =	12/30 =	30/72 =
37/50 =	12/72 =	12/60 =
15/60 =	20/100 =	25/100 =

- Simplifying fractions.

Maths: Number Knowledge 7K

Name _____ Date _____ Score _____/50

0.333 =	40/50 =	6/8 =	12/15 =	2/10 =
1/10 =	0.125 =	0.05 =	0.50 =	0.250 =
3/5 =	1/8 =	6/12 =	9/10 =	0.66 =
0.666 =	0.01 =	2/5 =	0.11 =	3/10 =
1/5 =	0.80 =	4/10 =	0.375 =	6/9 =
10/50 =	4/5 =	0.75 =	7/10 =	1/3 =
0.25 =	0.25 =	1/5 =	2/8 =	0.750 =
0.17 =	0.13 =	5/8 =	0.07 =	0.20 =
2/100 =	0.5 =	0.10 =	8/10 =	20/50 =
2/3 =	1/4 =	0.875 =	1/3 =	7/10 =

- Converting decimals to simple fractions and vica versa.

*** 1/3 = 0.33 recurring in this instance.

Maths: Number Knowledge 7K

Name _____ Date _____ Score _____/50

0.333 =	40/50 =	6/8 =	12/15 =	2/10 =
1/10 =	0.125 =	0.05 =	0.50 =	0.250 =
3/5 =	1/8 =	6/12 =	9/10 =	0.66 =
0.666 =	0.01 =	2/5 =	0.11 =	3/10 =
1/5 =	0.80 =	4/10 =	0.375 =	6/9 =
10/50 =	4/5 =	0.75 =	7/10 =	1/3 =
0.25 =	0.25 =	1/5 =	2/8 =	0.750 =
0.17 =	0.13 =	5/8 =	0.07 =	0.20 =
2/100 =	0.5 =	0.10 =	8/10 =	20/50 =
2/3 =	1/4 =	0.875 =	1/3 =	7/10 =

- Converting decimals to simple fractions and vica versa.

*** 1/3 = 0.33 recurring in this instance.

Maths: Number Knowledge 7L

Name _____ Date _____ Score _____/36

10% of 60 =	33.3% of 63 =	25% of _____ = 41
75% of 96 =	10% of _____ = 8.2	20% of 90 =
_____% of 60 = 15	50% of _____ = 345	10% of 43 =
25% of 64 =	_____% of 90 = 67.5	33.3% of 669 =
75% of 48 =	20% of 55 =	25% of 72 =
_____% of 505 = 50.5	25% of 52 =	75% of 64 =
10% of _____ = 44	75% of _____ = 30	20% of 75 =
33.3% of 900 =	10% of 55 =	10% of _____ = 125
25% of 96 =	20% of 60 =	50% of _____ = 69
50% of _____ = 139	25% of _____ = 65	33.3% of 420 =
10% of 330 =	75% of 52 =	10% of 210 =
25% of _____ = 19	10% of _____ = 909	25% of _____ = 155

- Calculate percentages of amounts: 10%, 20%, 25%, 33%, 50%, 75%.

Maths: Number Knowledge 7L

Name _____ Date _____ Score _____/36

10% of 60 =	33.3% of 63 =	25% of _____ = 41
75% of 96 =	10% of _____ = 8.2	20% of 90 =
_____% of 60 = 15	50% of _____ = 345	10% of 43 =
25% of 64 =	_____% of 90 = 67.5	33.3% of 669 =
75% of 48 =	20% of 55 =	25% of 72 =
_____% of 505 = 50.5	25% of 52 =	75% of 64 =
10% of _____ = 44	75% of _____ = 30	20% of 75 =
33.3% of 900 =	10% of 55 =	10% of _____ = 125
25% of 96 =	20% of 60 =	50% of _____ = 69
50% of _____ = 139	25% of _____ = 65	33.3% of 420 =
10% of 330 =	75% of 52 =	10% of 210 =
25% of _____ = 19	10% of _____ = 909	25% of _____ = 155

- Calculate percentages of amounts: 10%, 20%, 25%, 33%, 50%, 75%.

Maths: Number Knowledge 7M

Name _____ Date _____ Score _____

$0.5 \times 4 =$	$0.2 \div 4 =$	$0.8 \times 0.3 =$	$0.4 \times 0.5 =$	$11 \times 0.6 =$
$6 \times 0.6 =$	$0.6 \times 0.7 =$	$12.1 \div 11 =$	$_____ \times 0.7 = 42$	$12 \times 0.3 =$
$0.72 \div 9 =$	$0.15 \div 5 =$	$9 \times _____ = 0.72$	$0.8 \div 2 =$	$10 \times 0.5 =$
$0.33 \div 3 =$	$0.9 \times 0.8 =$	$0.08 \div 4 =$	$0.54 \div 9 =$	$0.40 \div 0.8 =$
$0.64 \div 0.8 =$	$0.8 \times 12 =$	$5 \times 0.7 =$	$2.1 \div 7 =$	$7 \times _____ = 0.21$
$0.2 \times 8 =$	$_____ \times 8 = 0.48$	$0.5 \times 0.8 =$	$0.42 \div 6 =$	$9 \times 0.4 =$
$0.32 \div 4 =$	$0.9 \div 3 =$	$0.3 \times 0.4 =$	$0.84 \div 12 =$	$0.7 \times 7 =$
$_____ \times 0.5 = 3$	$0.3 \times 0.3 =$	$9 \times _____ = 0.45$	$12 \times 0.5 =$	$14.4 \div 1.2 =$
$0.56 \div 8 =$	$0.25 \div 5 =$	$0.63 \div 0.7 =$	$8 \times 0.7 =$	$4 \times _____ = 0.44$
$3 \times _____ = 0.24$	$4 \times _____ = 2.4$	$0.45 \div 0.5 =$	$9 \times _____ = 5.4$	$6 \times 0.5 =$

- Multiplication of decimal numbers.

Maths: Number Knowledge 7M

Name _____ Date _____ Score _____

$0.5 \times 4 =$	$0.2 \div 4 =$	$0.8 \times 0.3 =$	$0.4 \times 0.5 =$	$11 \times 0.6 =$
$6 \times 0.6 =$	$0.6 \times 0.7 =$	$12.1 \div 11 =$	$_____ \times 0.7 = 42$	$12 \times 0.3 =$
$0.72 \div 9 =$	$0.15 \div 5 =$	$9 \times _____ = 0.72$	$0.8 \div 2 =$	$10 \times 0.5 =$
$0.33 \div 3 =$	$0.9 \times 0.8 =$	$0.08 \div 4 =$	$0.54 \div 9 =$	$0.40 \div 0.8 =$
$0.64 \div 0.8 =$	$0.8 \times 12 =$	$5 \times 0.7 =$	$2.1 \div 7 =$	$7 \times _____ = 0.21$
$0.2 \times 8 =$	$_____ \times 8 = 0.48$	$0.5 \times 0.8 =$	$0.42 \div 6 =$	$9 \times 0.4 =$
$0.32 \div 4 =$	$0.9 \div 3 =$	$0.3 \times 0.4 =$	$0.84 \div 12 =$	$0.7 \times 7 =$
$_____ \times 0.5 = 3$	$0.3 \times 0.3 =$	$9 \times _____ = 0.45$	$12 \times 0.5 =$	$14.4 \div 1.2 =$
$0.56 \div 8 =$	$0.25 \div 5 =$	$0.63 \div 0.7 =$	$8 \times 0.7 =$	$4 \times _____ = 0.44$
$3 \times _____ = 0.24$	$4 \times _____ = 2.4$	$0.45 \div 0.5 =$	$9 \times _____ = 5.4$	$6 \times 0.5 =$

- Multiplication of decimal numbers.

Maths: Number Knowledge 7N: CHALLENGE 1

Name _____ Date _____ Score _____/36

$2.1 \div 7 =$	$\sqrt{144} =$	$7^2 =$
$8 \times \underline{\hspace{2cm}} = 48$	$\frac{1}{4}$ of $\underline{\hspace{2cm}} = 14$	$1000 - 746 =$
$\frac{7}{8}$ of $\underline{\hspace{2cm}} = 56$	$0.6^2 =$	$54 \div \underline{\hspace{2cm}} = 9$
$\underline{\hspace{2cm}} \div 7 = 9$	$\frac{5}{8}$ of $\underline{\hspace{2cm}} = 35$	$\frac{4}{9}$ of $54 =$
Double $\underline{\hspace{2cm}} = 192$	$108 \div \underline{\hspace{2cm}} = 9$	Double $\underline{\hspace{2cm}} = 176$
$30^2 =$	$618 + \underline{\hspace{2cm}} = 1000$	$2.1 \div 7 =$
$1.1 \times \underline{\hspace{2cm}} = 12.1$	$0.5^2 =$	Halve of $\underline{\hspace{2cm}} = 87$
$\frac{2}{8}$ of $\underline{\hspace{2cm}} = 6$	Double $\underline{\hspace{2cm}} = 156$	$0.4^2 =$
$1000 - 357 =$	$\frac{2}{5}$ of $\underline{\hspace{2cm}} = 8$	$12^2 =$
Double $\underline{\hspace{2cm}} = 352$	$\sqrt{169} =$	$0.5 \times 0.8 =$
$\frac{2}{7}$ of $56 =$	Halve of $\underline{\hspace{2cm}} = 48$	$3.2 \div 4 =$
$1.2 \times \underline{\hspace{2cm}} = 72$	$\frac{2}{3}$ of $\underline{\hspace{2cm}} = 16$	$407 + \underline{\hspace{2cm}} = 1000$

- ALL multiplication facts (including decimals)
- Squaring numbers and calculating the square root.
- Calculating fractions of amounts.
- Doubling and halving

Maths: Number Knowledge 7N: CHALLENGE 1

Name _____ Date _____ Score _____/36

$2.1 \div 7 =$	$\sqrt{144} =$	$7^2 =$
$8 \times \underline{\hspace{2cm}} = 48$	$\frac{1}{4}$ of $\underline{\hspace{2cm}} = 14$	$1000 - 746 =$
$\frac{7}{8}$ of $\underline{\hspace{2cm}} = 56$	$0.6^2 =$	$54 \div \underline{\hspace{2cm}} = 9$
$\underline{\hspace{2cm}} \div 7 = 9$	$\frac{5}{8}$ of $\underline{\hspace{2cm}} = 35$	$\frac{4}{9}$ of $54 =$
Double $\underline{\hspace{2cm}} = 192$	$108 \div \underline{\hspace{2cm}} = 9$	Double $\underline{\hspace{2cm}} = 176$
$30^2 =$	$618 + \underline{\hspace{2cm}} = 1000$	$2.1 \div 7 =$
$1.1 \times \underline{\hspace{2cm}} = 12.1$	$0.5^2 =$	Halve of $\underline{\hspace{2cm}} = 87$
$\frac{2}{8}$ of $\underline{\hspace{2cm}} = 6$	Double $\underline{\hspace{2cm}} = 156$	$0.4^2 =$
$1000 - 357 =$	$\frac{2}{5}$ of $\underline{\hspace{2cm}} = 8$	$12^2 =$
Double $\underline{\hspace{2cm}} = 352$	$\sqrt{169} =$	$0.5 \times 0.8 =$
$\frac{2}{7}$ of $56 =$	Halve of $\underline{\hspace{2cm}} = 48$	$3.2 \div 4 =$
$1.2 \times \underline{\hspace{2cm}} = 72$	$\frac{2}{3}$ of $\underline{\hspace{2cm}} = 16$	$407 + \underline{\hspace{2cm}} = 1000$

- ALL multiplication facts (including decimals)
- Squaring numbers and calculating the square root.
- Calculating fractions of amounts.
- Doubling and halving

Maths: Number Knowledge 70: CHALLENGE 2

Name _____ Date _____ Score _____/36

$1/10 = 0.\underline{\hspace{1cm}}$	$33\% \text{ of } 60 =$	$1\frac{6}{9} = \underline{\hspace{1cm}}/9$
$75\% \text{ of } 76 =$	$0.25 = 1 / \underline{\hspace{1cm}}$	$\underline{\hspace{1cm}}\% \text{ of } 435 = 43.5$
$31/3 = \underline{\hspace{1cm}}/3$	$20\% \text{ of } 50 =$	$1/5 = 0.\underline{\hspace{1cm}}$
$\underline{\hspace{1cm}}\% \text{ of } 250 = 62.5$	$\underline{\hspace{1cm}}\% \text{ of } 46 = 23$	$1/8 = 0.\underline{\hspace{1cm}}$
$46/4 = \underline{\hspace{1cm}}/4$	$5\frac{2}{5} = \underline{\hspace{1cm}}/5$	$25\% \text{ of } 52 =$
$10\% \text{ of } \underline{\hspace{1cm}} = 36$	$\underline{\hspace{1cm}}\% \text{ of } 120 = 40$	$13/3 =$
$0.375 = 3 / \underline{\hspace{1cm}}$	$20\% \text{ of } 160 =$	$50\% \text{ of } \underline{\hspace{1cm}} = 57$
$3\frac{7}{8} = \underline{\hspace{1cm}}/8$	$2/10 = 0.\underline{\hspace{1cm}}$	$2\frac{2}{3} = \underline{\hspace{1cm}}/3$
$33\% \text{ of } 36 =$	$52/7 = \underline{\hspace{1cm}}/7$	$2\frac{3}{4} = \underline{\hspace{1cm}}/4$
$0.75 = \underline{\hspace{1cm}}/4$	$20\% \text{ of } \underline{\hspace{1cm}} = 60$	$10\% \text{ of } 515 =$
$1\frac{4}{6} = \underline{\hspace{1cm}}/6$	$9\frac{4}{9} = \underline{\hspace{1cm}}/9$	$7/8 = 0.\underline{\hspace{1cm}}$
$50\% \text{ of } \underline{\hspace{1cm}} = 38$	$\underline{\hspace{1cm}}\% \text{ of } 44 = 33$	$\frac{1}{2} = 0.\underline{\hspace{1cm}}$

- Changing improper fractions to a mixed number and vica-versa. (e.g. $43/5 = 8\frac{3}{5}$)
- Converting decimals to simple fractions and vica versa.
- Calculate percentages of amounts: 10%, 20%, 25%, 33%, 50%, 75%.

Maths: Number Knowledge 70: CHALLENGE 2

Name _____ Date _____ Score _____/36

$1/10 = 0.\underline{\hspace{1cm}}$	$33\% \text{ of } 60 =$	$1\frac{6}{9} = \underline{\hspace{1cm}}/9$
$75\% \text{ of } 76 =$	$0.25 = 1 / \underline{\hspace{1cm}}$	$\underline{\hspace{1cm}}\% \text{ of } 435 = 43.5$
$31/3 = \underline{\hspace{1cm}}/3$	$20\% \text{ of } 50 =$	$1/5 = 0.\underline{\hspace{1cm}}$
$\underline{\hspace{1cm}}\% \text{ of } 250 = 62.5$	$\underline{\hspace{1cm}}\% \text{ of } 46 = 23$	$1/8 = 0.\underline{\hspace{1cm}}$
$46/4 = \underline{\hspace{1cm}}/4$	$5\frac{2}{5} = \underline{\hspace{1cm}}/5$	$25\% \text{ of } 52 =$
$10\% \text{ of } \underline{\hspace{1cm}} = 36$	$\underline{\hspace{1cm}}\% \text{ of } 120 = 40$	$13/3 =$
$0.375 = 3 / \underline{\hspace{1cm}}$	$20\% \text{ of } 160 =$	$50\% \text{ of } \underline{\hspace{1cm}} = 57$
$3\frac{7}{8} = \underline{\hspace{1cm}}/8$	$2/10 = 0.\underline{\hspace{1cm}}$	$2\frac{2}{3} = \underline{\hspace{1cm}}/3$
$33\% \text{ of } 36 =$	$52/7 = \underline{\hspace{1cm}}/7$	$2\frac{3}{4} = \underline{\hspace{1cm}}/4$
$0.75 = \underline{\hspace{1cm}}/4$	$20\% \text{ of } \underline{\hspace{1cm}} = 60$	$10\% \text{ of } 515 =$
$1\frac{4}{6} = \underline{\hspace{1cm}}/6$	$9\frac{4}{9} = \underline{\hspace{1cm}}/9$	$7/8 = 0.\underline{\hspace{1cm}}$
$50\% \text{ of } \underline{\hspace{1cm}} = 38$	$\underline{\hspace{1cm}}\% \text{ of } 44 = 33$	$\frac{1}{2} = 0.\underline{\hspace{1cm}}$

- Changing improper fractions to a mixed number and vica-versa. (e.g. $43/5 = 8\frac{3}{5}$)
- Converting decimals to simple fractions and vica versa.
- Calculate percentages of amounts: 10%, 20%, 25%, 33%, 50%, 75%.

Maths: Number Knowledge 8A

Name _____ Date _____ Score _____/50_____

$12.3 \times 10 =$	$14.7 \times 10 =$	$408 \div 10 =$	$45.01 \times 10 =$	$4.78 \times 10 =$
$23.4 \underline{\hspace{1cm}} = 234$	$198 \div 10 =$	$14.7 \times 100 =$	$1.07 \times 10 =$	$413 \underline{\hspace{1cm}} = 4.13$
$3042 \div 10 =$	$4.6 \times 100 =$	$501 \div 100 =$	$0.87 \underline{\hspace{1cm}} = 870$	$\underline{\hspace{1cm}} \div 1000 = 1.68$
$3.28 \times 10 =$	$0.4 \underline{\hspace{1cm}} = 40$	$\underline{\hspace{1cm}} \div 10 = 24.7$	$718 \div 100 =$	$10.7 \times 10 =$
$314 \div 10 =$	$\underline{\hspace{1cm}} \div 10 = 303$	$354 \underline{\hspace{1cm}} = 3.54$	$\underline{\hspace{1cm}} \times 1000 = 1500$	$\underline{\hspace{1cm}} \div 100 = 1.36$
$\underline{\hspace{1cm}} \div 1000 = 0.51$	$643 \div 10 =$	$0.36 \times 100 =$	$5.2 \div 10 =$	$6.71 \times 100 =$
$5.2 \times 100 =$	$4302 \div 100 =$	$\underline{\hspace{1cm}} \times 1000 = 1820$	$\underline{\hspace{1cm}} \div 100 = 0.44$	$0.99 \underline{\hspace{1cm}} = 990$
$108 \underline{\hspace{1cm}} = 0.108$	$\underline{\hspace{1cm}} \times 100 = 180$	$0.35 \times 10 =$	$90.9 \underline{\hspace{1cm}} = 909$	$\underline{\hspace{1cm}} \div 1000 = 3.02$
$78.5 \div 100 =$	$2.08 \times 10 =$	$\underline{\hspace{1cm}} \times 1000 = 305$	$4.06 \times 100 =$	$16.8 \div 10 =$
$\underline{\hspace{1cm}} \times 10 = 34.5$	$20.7 \underline{\hspace{1cm}} = 2070$	$13.97 \times 10 =$	$\underline{\hspace{1cm}} \div 1000 = 0.75$	$87.5 \div 100 =$

- Multiply and divide by 10, 100, 1000.
- Finding the missing value when given the result of $\times / \div$ by 10, 100, 1000. e.g. $\underline{\hspace{1cm}} \times 100 = 2300$

Maths: Number Knowledge 8A

Name _____ Date _____ Score _____/50_____

$12.3 \times 10 =$	$14.7 \times 10 =$	$408 \div 10 =$	$45.01 \times 10 =$	$4.78 \times 10 =$
$23.4 \underline{\hspace{1cm}} = 234$	$198 \div 10 =$	$14.7 \times 100 =$	$1.07 \times 10 =$	$413 \underline{\hspace{1cm}} = 4.13$
$3042 \div 10 =$	$4.6 \times 100 =$	$501 \div 100 =$	$0.87 \underline{\hspace{1cm}} = 870$	$\underline{\hspace{1cm}} \div 1000 = 1.68$
$3.28 \times 10 =$	$0.4 \underline{\hspace{1cm}} = 40$	$\underline{\hspace{1cm}} \div 10 = 24.7$	$718 \div 100 =$	$10.7 \times 10 =$
$314 \div 10 =$	$\underline{\hspace{1cm}} \div 10 = 303$	$354 \underline{\hspace{1cm}} = 3.54$	$\underline{\hspace{1cm}} \times 1000 = 1500$	$\underline{\hspace{1cm}} \div 100 = 1.36$
$\underline{\hspace{1cm}} \div 1000 = 0.51$	$643 \div 10 =$	$0.36 \times 100 =$	$5.2 \div 10 =$	$6.71 \times 100 =$
$5.2 \times 100 =$	$4302 \div 100 =$	$\underline{\hspace{1cm}} \times 1000 = 1820$	$\underline{\hspace{1cm}} \div 100 = 0.44$	$0.99 \underline{\hspace{1cm}} = 990$
$108 \underline{\hspace{1cm}} = 0.108$	$\underline{\hspace{1cm}} \times 100 = 180$	$0.35 \times 10 =$	$90.9 \underline{\hspace{1cm}} = 909$	$\underline{\hspace{1cm}} \div 1000 = 3.02$
$78.5 \div 100 =$	$2.08 \times 10 =$	$\underline{\hspace{1cm}} \times 1000 = 305$	$4.06 \times 100 =$	$16.8 \div 10 =$
$\underline{\hspace{1cm}} \times 10 = 34.5$	$20.7 \underline{\hspace{1cm}} = 2070$	$13.97 \times 10 =$	$\underline{\hspace{1cm}} \div 1000 = 0.75$	$87.5 \div 100 =$

- Multiply and divide by 10, 100, 1000.
- Finding the missing value when given the result of $\times / \div$ by 10, 100, 1000. e.g. $\underline{\hspace{1cm}} \times 100 = 2300$

Maths: Number Knowledge 8B

Name _____ Date _____ Score _____/40_____

$2^3 =$	$2 =$	$4^3 =$	HCF 45 and 18 =
$4^3 - 2^3 =$	$\sqrt{64} =$	$2^3 + 5^2 =$	$\sqrt{27} =$
$3^3 =$	$12^2 =$	HCF 5 and 10 =	$5^3 =$
$\sqrt{8} =$	HCF 12 and 15 =	$\sqrt{144} =$	$5^3 - 3^3 =$
$10^2 - 3^3 =$	$15^2 =$	$2^3 + 2^3 =$	HCF 90 and 15 =
$5^3 + 2 =$	$2^3 + 7^2 =$	HCF 50 and 35 =	$20^2 =$
HCF 14 and 4 =	$3^3 + 2^3 =$	$13^2 =$	HCF of 3 and 6 =
$10^2 - 4^3 =$	HCF 24 and 16 =	$\sqrt{64} =$	$\sqrt{121} =$
$10^3 + 4^3 =$	$7^3 =$	$1^3 =$	$10^3 =$
HCF 32 and 40 =	$\sqrt{169} =$	$\sqrt{225} =$	HCF of 30 and 12 =

- To the power of e.g. $2^3 = 8$
- Highest Common Factor (HCF) e.g. of 24 and 20 is 4 (4×6 and 4×5)

Maths: Number Knowledge 8B

Name _____ Date _____ Score _____/40_____

$2^3 =$	$2 =$	$4^3 =$	HCF 45 and 18 =
$4^3 - 2^3 =$	$\sqrt{64} =$	$2^3 + 5^2 =$	$\sqrt{27} =$
$3^3 =$	$12^2 =$	HCF 5 and 10 =	$5^3 =$
$\sqrt{8} =$	HCF 12 and 15 =	$\sqrt{144} =$	$5^3 - 3^3 =$
$10^2 - 3^3 =$	$15^2 =$	$2^3 + 2^3 =$	HCF 90 and 15 =
$5^3 + 2 =$	$2^3 + 7^2 =$	HCF 50 and 35 =	$20^2 =$
HCF 14 and 4 =	$3^3 + 2^3 =$	$13^2 =$	HCF of 3 and 6 =
$10^2 - 4^3 =$	HCF 24 and 16 =	$\sqrt{64} =$	$\sqrt{121} =$
$10^3 + 4^3 =$	$7^3 =$	$1^3 =$	$10^3 =$
HCF 32 and 40 =	$\sqrt{169} =$	$\sqrt{225} =$	HCF of 30 and 12 =

- To the power of e.g. $2^3 = 8$
- Highest Common Factor (HCF) e.g. of 24 and 20 is 4 (4×6 and 4×5)

Maths: Number Knowledge 8C

Name _____ Date _____ Score _____/40_____

2 nd multiple of 6 =	LCM of 2 and 9 =	LCM of 4 and 10 =	8 th multiple of ____ = 48
LCM of 3 and 5 =	8 th multiple of 4 =	5 th multiple of 3 =	LCM of 12 and ____ = 84
_____ multiple of 7 = 14	LCM of 3 and 9 =	LCM of ____ and 7 = 77	LCM of 6 and 9 =
LCM of 12 and 6 =	10 th multiple of 11 =	_____ multiple of 6 = 18	12 th multiple of 7 =
5 th multiple of ____ = 35	LCM of 11 and 5 =	12 th multiple of ____ = 60	LCM of 6 and 8 =
LCM of 4 and 6 =	_____ multiple of 5 = 25	LCM of 6 and ____ = 42	LCM of 7 and ____ = 56
7 th multiple of 5 =	LCM of ____ and 5 = 15	9 th multiple of 8 =	_____ multiple of 9 = 72
LCM of 8 and 3 =	3 rd multiple of 12 =	LCM of 3 and 12 =	LCM of 12 and 4 =
6 th multiple of 7 =	4 th multiple of ____ = 32	11 th multiple of 12 =	4 th multiple of 9 =
LCM of 12 and 5 =	LCM of ____ and 3 = 6	LCM of 8 and 5 =	LCM of 4 and 2 =

- Give multiples of numbers up to 12×12 .
- Give the Lowest Common Multiple (LCM) of multiples up to 12×12 .

Maths: Number Knowledge 8C

Name _____ Date _____ Score _____/40_____

2 nd multiple of 6 =	LCM of 2 and 9 =	LCM of 4 and 10 =	8 th multiple of ____ = 48
LCM of 3 and 5 =	8 th multiple of 4 =	5 th multiple of 3 =	LCM of 12 and ____ = 84
_____ multiple of 7 = 14	LCM of 3 and 9 =	LCM of ____ and 7 = 77	LCM of 6 and 9 =
LCM of 12 and 6 =	10 th multiple of 11 =	_____ multiple of 6 = 18	12 th multiple of 7 =
5 th multiple of ____ = 35	LCM of 11 and 5 =	12 th multiple of ____ = 60	LCM of 6 and 8 =
LCM of 4 and 6 =	_____ multiple of 5 = 25	LCM of 6 and ____ = 42	LCM of 7 and ____ = 56
7 th multiple of 5 =	LCM of ____ and 5 = 15	9 th multiple of 8 =	_____ multiple of 9 = 72
LCM of 8 and 3 =	3 rd multiple of 12 =	LCM of 3 and 12 =	LCM of 12 and 4 =
6 th multiple of 7 =	4 th multiple of ____ = 32	11 th multiple of 12 =	4 th multiple of 9 =
LCM of 12 and 5 =	LCM of ____ and 3 = 6	LCM of 8 and 5 =	LCM of 4 and 2 =

- Give multiples of numbers up to 12×12 .
- Give the Lowest Common Multiple (LCM) of multiples up to 12×12 .

Maths: Number Knowledge 8D

Name _____ Date _____ Score _____/30_____

Subtract $\frac{1}{6}$ from $\frac{6}{9}$ =	Difference between $2\frac{3}{9}$ and $\frac{4}{9}$ =	Difference between $2\frac{3}{4}$ and $\frac{3}{4}$ =
Difference between $2\frac{1}{3}$ and $\frac{1}{3}$ =	Add $1\frac{2}{6}$ and $\frac{1}{5}$ =	Add $\frac{3}{4}$ and $\frac{3}{4}$ =
$\frac{4}{10} + \frac{3}{5}$ =	Sum of $1\frac{7}{9}$ and $\frac{2}{4}$ =	$\frac{3}{5} + \frac{2}{6}$
Add $\frac{4}{7}$ and $\frac{2}{4}$ =	$\frac{3}{4} - \frac{1}{10}$ =	Difference between $\frac{4}{5}$ and $\frac{3}{5}$ =
$\frac{1}{2} + \frac{2}{4}$ =	Subtract $\frac{2}{7}$ from $\frac{2}{4}$ =	Difference between $1\frac{6}{7}$ and $\frac{1}{4}$ =
Sum of $\frac{6}{9}$ and $\frac{1}{4}$ =	$\frac{6}{8} - \frac{1}{2}$ =	Add $3\frac{4}{8}$ and $3\frac{1}{3}$ =
Sum of $2\frac{1}{5}$ and $\frac{1}{6}$ =	$\frac{8}{10} - \frac{2}{4}$ =	$\frac{11}{12} - \frac{3}{4}$
$\frac{12}{15} - \frac{2}{5}$	Difference between $\frac{3}{4}$ and $\frac{1}{5}$ =	Add $\frac{4}{7}$ and $\frac{2}{4}$ =
Add $3\frac{4}{8}$ and $3\frac{1}{3}$ =	$\frac{14}{16} - \frac{3}{8}$ =	$\frac{7}{8} - \frac{2}{3}$ =
Add $\frac{4}{5}$ and $\frac{2}{4}$ =	Add $3\frac{2}{4}$ and $3\frac{1}{4}$ =	Subtract $\frac{3}{4}$ from $\frac{7}{9}$ =

- Add and subtract fractions with different denominators and express in the simplest form. (e.g. $\frac{1}{2} + \frac{1}{4} = 1\frac{1}{4}$)
- Calculate the missing values when given digits that are part of a fraction equation.

Maths: Number Knowledge 8D

Name _____ Date _____ Score _____/30_____

Subtract $\frac{1}{6}$ from $\frac{6}{9}$ =	Difference between $2\frac{3}{9}$ and $\frac{4}{9}$ =	Difference between $2\frac{3}{4}$ and $\frac{3}{4}$ =
Difference between $2\frac{1}{3}$ and $\frac{1}{3}$ =	Add $1\frac{2}{6}$ and $\frac{1}{5}$ =	Add $\frac{3}{4}$ and $\frac{3}{4}$ =
$\frac{4}{10} + \frac{3}{5}$ =	Sum of $1\frac{7}{9}$ and $\frac{2}{4}$ =	$\frac{3}{5} + \frac{2}{6}$
Add $\frac{4}{7}$ and $\frac{2}{4}$ =	$\frac{3}{4} - \frac{1}{10}$ =	Difference between $\frac{4}{5}$ and $\frac{3}{5}$ =
$\frac{1}{2} + \frac{2}{4}$ =	Subtract $\frac{2}{7}$ from $\frac{2}{4}$ =	Difference between $1\frac{6}{7}$ and $\frac{1}{4}$ =
Sum of $\frac{6}{9}$ and $\frac{1}{4}$ =	$\frac{6}{8} - \frac{1}{2}$ =	Add $3\frac{4}{8}$ and $3\frac{1}{3}$ =
Sum of $2\frac{1}{5}$ and $\frac{1}{6}$ =	$\frac{8}{10} - \frac{2}{4}$ =	$\frac{11}{12} - \frac{3}{4}$
$\frac{12}{15} - \frac{2}{5}$	Difference between $\frac{3}{4}$ and $\frac{1}{5}$ =	Add $\frac{4}{7}$ and $\frac{2}{4}$ =
Add $3\frac{4}{8}$ and $3\frac{1}{3}$ =	$\frac{14}{16} - \frac{3}{8}$ =	$\frac{7}{8} - \frac{2}{3}$ =
Add $\frac{4}{5}$ and $\frac{2}{4}$ =	Add $3\frac{2}{4}$ and $3\frac{1}{4}$ =	Subtract $\frac{3}{4}$ from $\frac{7}{9}$ =

- Add and subtract fractions with different denominators and express in the simplest form. (e.g. $\frac{1}{2} + \frac{1}{4} = 1\frac{1}{4}$)
- Calculate the missing values when given digits that are part of a fraction equation.

Maths: Number Knowledge 8E

Name _____ Date _____ Score _____/40_____

$0.125 \times 560 =$	_____ $\times 72 = 36$	$0.2 \times 560 =$	$0.2 \times$ _____ $= 16$
$0.33 \times 60 =$	_____ $\times 888 = 222$	$0.5 \times 570 =$	_____ $\times 81 = 27$
$0.25 \times 364 =$	$0.1 \times 2490 =$	$0.75 \times$ _____ $= 18$	_____ $\times 700 = 175$
$0.1 \times 1456 =$	$0.33 \times 630 =$	_____ $\times 826 = 413$	$92 \times 0.25 =$
$0.5 \times 162 =$	$0.75 \times 4800 =$	$0.1 \times$ _____ $= 645$	$0.5 \times 930 =$
_____ $\times 0.125 = 2$	_____ $\times 520 = 130$	$0.33 \times 42 =$	$0.125 \times 400 =$
$0.2 \times 45 =$	$0.25 \times$ _____ $= 99$	_____ $\times 45 = 9$	$0.25 \times 720 =$
$0.33 \times 597 =$	$0.125 \times 960 =$	_____ $\times 636 = 318$	_____ $\times 67 = 6.7$
$0.66 \times$ _____ $= 150$	_____ $\times 90 = 30$	$0.875 \times 32 =$	$0.33 \times 303 =$
_____ $\times 1218 = 406$	$0.2 \times 340 =$	$0.2 \times 110 =$	_____ $\times 600 = 120$

- Multiply decimals (less than one) by whole numbers.

- Calculate the missing value in an equation when multiplying whole numbers by decimals numbers.

*** N.B. 0.33 is approximately equivalent to a third and will be used as such in the test (and 0.66 is two thirds)

Maths: Number Knowledge 8E

Name _____ Date _____ Score _____/40_____

$0.125 \times 560 =$	_____ $\times 72 = 36$	$0.2 \times 560 =$	$0.2 \times$ _____ $= 16$
$0.33 \times 60 =$	_____ $\times 888 = 222$	$0.5 \times 570 =$	_____ $\times 81 = 27$
$0.25 \times 364 =$	$0.1 \times 2490 =$	$0.75 \times$ _____ $= 18$	_____ $\times 700 = 175$
$0.1 \times 1456 =$	$0.33 \times 630 =$	_____ $\times 826 = 413$	$92 \times 0.25 =$
$0.5 \times 162 =$	$0.75 \times 4800 =$	$0.1 \times$ _____ $= 645$	$0.5 \times 930 =$
_____ $\times 0.125 = 2$	_____ $\times 520 = 130$	$0.33 \times 42 =$	$0.125 \times 400 =$
$0.2 \times 45 =$	$0.25 \times$ _____ $= 99$	_____ $\times 45 = 9$	$0.25 \times 720 =$
$0.33 \times 597 =$	$0.125 \times 960 =$	_____ $\times 636 = 318$	_____ $\times 67 = 6.7$
$0.66 \times$ _____ $= 150$	_____ $\times 90 = 30$	$0.875 \times 32 =$	$0.33 \times 303 =$
_____ $\times 1218 = 406$	$0.2 \times 340 =$	$0.2 \times 110 =$	_____ $\times 600 = 120$

- Multiply decimals (less than one) by whole numbers.

- Calculate the missing value in an equation when multiplying whole numbers by decimals numbers.

*** N.B. 0.33 is approximately equivalent to a third and will be used as such in the test (and 0.66 is two thirds)

Maths: Number Knowledge 8F

Name _____ Date _____ Score _____/40_____

$8.4 \div 7 =$	$5.6 \div \underline{\hspace{1cm}} = 0.07 =$	$0.9 \times 0.07 =$	$1.2 \times 60 =$
$0.8 \times 0.9 =$	$980 \div 70 =$	$1.6 \times 4 =$	$49 \div 0.7 =$
$8.4 \div 70 =$	$1.2 \times 40 =$	$1.8 \times 5 =$	$6.6 \div \underline{\hspace{1cm}} = 1.1$
$0.3 \times 0.6 =$	$6.4 \div \underline{\hspace{1cm}} = 0.8$	$720 \div 0.9 =$	$0.7 \times 0.8 =$
$5.2 \div 13 =$	$56 \div 40 =$	$1.6 \times 3 =$	$3.6 \div \underline{\hspace{1cm}} = 12$
$\underline{\hspace{1cm}} \div 700 = 0.7$	$7.2 \div 0.8 =$	$1.1 \times 0.5 =$	$0.11 \times 70 =$
$4.2 \div \underline{\hspace{1cm}} = 0.7$	$144 \div 120 =$	$560 \div 80 =$	$0.4 \times 18 =$
$0.48 \div 6 =$	$98 \div 0.7 =$	$0.7 \times 4 =$	$560 \div \underline{\hspace{1cm}} = 0.7$
$0.4 \times 0.5 =$	$0.54 \div 6 =$	$72 \div 0.4 =$	$5 \times 1.6 =$
$0.12 \times 300 =$	$0.5 \times 0.08 =$	$1.3 \times 0.4 =$	$0.7 \times 0.6 =$

- Multiplying or dividing 2 decimal numbers using times table facts.
- Use double and halve facts (e.g. $14 \times 5 = 7 \times 10$)
- Calculating the missing value in an equation when multiplying or dividing 2 decimal numbers.

Maths: Number Knowledge 8F

Name _____ Date _____ Score _____/40_____

$8.4 \div 7 =$	$5.6 \div \underline{\hspace{1cm}} = 0.07 =$	$0.9 \times 0.07 =$	$1.2 \times 60 =$
$0.8 \times 0.9 =$	$980 \div 70 =$	$1.6 \times 4 =$	$49 \div 0.7 =$
$8.4 \div 70 =$	$1.2 \times 40 =$	$1.8 \times 5 =$	$6.6 \div \underline{\hspace{1cm}} = 1.1$
$0.3 \times 0.6 =$	$6.4 \div \underline{\hspace{1cm}} = 0.8$	$720 \div 0.9 =$	$0.7 \times 0.8 =$
$5.2 \div 13 =$	$56 \div 40 =$	$1.6 \times 3 =$	$3.6 \div \underline{\hspace{1cm}} = 12$
$\underline{\hspace{1cm}} \div 700 = 0.7$	$7.2 \div 0.8 =$	$1.1 \times 0.5 =$	$0.11 \times 70 =$
$4.2 \div \underline{\hspace{1cm}} = 0.7$	$144 \div 120 =$	$560 \div 80 =$	$0.4 \times 18 =$
$0.48 \div 6 =$	$98 \div 0.7 =$	$0.7 \times 4 =$	$560 \div \underline{\hspace{1cm}} = 0.7$
$0.4 \times 0.5 =$	$0.54 \div 6 =$	$72 \div 0.4 =$	$5 \times 1.6 =$
$0.12 \times 300 =$	$0.5 \times 0.08 =$	$1.3 \times 0.4 =$	$0.7 \times 0.6 =$

- Multiplying or dividing 2 decimal numbers using times table facts.
- Use double and halve facts (e.g. $14 \times 5 = 7 \times 10$)
- Calculating the missing value in an equation when multiplying or dividing 2 decimal numbers.

Maths: Number Knowledge 8G

Name _____ Date _____ Score _____/36_____

$3/4 \times 10/11 =$	$2/6 \times 6/10 =$	$4/8 \times 8/11 =$	$1/2 \times 2/3 =$
$5/7 \times 4/13 =$	$4/13 \times 6/10 =$	$1 \frac{3}{7} \times 2/6 =$	$1/6 \div 2/4 =$
$8/9 \times 4 =$	$4/6 \times 4/15 =$	$10/11 \times 1/2 =$	$3/4 \times 4/10 =$
$4/6 \times 1/6 =$	$1/3 \div 2/3 =$	$7/9 \times 1/12 =$	$9 \frac{1}{6} \times 4/5 =$
$2/5 \times 10/11 =$	$2/8 \times 9/15 =$	$6 \times 4/12 =$	$4/10 \times 2/8 =$
$1/2 \times 1/8 =$	$3/15 \times 7/9 =$	$1/5 \div 2/6 =$	$3/5 \div 3/5 =$
$1/2 \div 1/5 =$	$6/7 \times 9 =$	$6/13 \times 1/5 =$	$2 \times 8/12 =$
$5/11 \times 4/7 =$	$1/9 \times 12/14 =$	$7 \frac{6}{9} \times 1/3 =$	$2/9 \times 1/4 =$
$7/9 \times 3/4 =$	$3/6 \div 4/5 =$	$1/4 \times 3/6 =$	$5/12 \times 1/3 =$

- Multiplying and dividing fractions.
- Multiplying using improper and mixed number fractions.
- Simplifying fractions.

Maths: Number Knowledge 8G

Name _____ Date _____ Score _____/36_____

$3/4 \times 10/11 =$	$2/6 \times 6/10 =$	$4/8 \times 8/11 =$	$1/2 \times 2/3 =$
$5/7 \times 4/13 =$	$4/13 \times 6/10 =$	$1 \frac{3}{7} \times 2/6 =$	$1/6 \div 2/4 =$
$8/9 \times 4 =$	$4/6 \times 4/15 =$	$10/11 \times 1/2 =$	$3/4 \times 4/10 =$
$4/6 \times 1/6 =$	$1/3 \div 2/3 =$	$7/9 \times 1/12 =$	$9 \frac{1}{6} \times 4/5 =$
$2/5 \times 10/11 =$	$2/8 \times 9/15 =$	$6 \times 4/12 =$	$4/10 \times 2/8 =$
$1/2 \times 1/8 =$	$3/15 \times 7/9 =$	$1/5 \div 2/6 =$	$3/5 \div 3/5 =$
$1/2 \div 1/5 =$	$6/7 \times 9 =$	$6/13 \times 1/5 =$	$2 \times 8/12 =$
$5/11 \times 4/7 =$	$1/9 \times 12/14 =$	$7 \frac{6}{9} \times 1/3 =$	$2/9 \times 1/4 =$
$7/9 \times 3/4 =$	$3/6 \div 4/5 =$	$1/4 \times 3/6 =$	$5/12 \times 1/3 =$

- Multiplying and dividing fractions.
- Multiplying using improper and mixed number fractions.
- Simplifying fractions.

Maths: Number Knowledge 8H

Name _____ Date _____ Score _____/36_____

5% of 1200 =	40% of _____ = 264	30% of 210 =	42% of 7500 =
21% of 360 =	_____ % of 268 = 53.6	_____ % of 456 = 4.56	_____ % of 7200 = 1080
12 % of 420 =	3% of 120 =	9% of 870 =	15% of 5400 =
_____ % of 570 = 11.4	6% of 800 =	_____ % of 540 = 108	22% of 8000 =
15% of 68 =	15% of _____ 90	_____ % of 375 = 7.5	49% of 2500 =
_____ % of 750 = 500	6% of 560 =	30% of 640 =	33.3% of _____ = 74
9% of 460 =	11% of 640 =	_____ % of 280 = 112	_____ % of 900 = 180
11% of _____ = 968	_____ % of 375 = 125	5% of 480 =	40% of 520 =
30% of 420 =	7% of 420 =	60% of _____ = 570	_____ % of 810 = 89.1

- Calculating harder percentages of amounts, e.g. 5, 15, 21, etc...
- Solving percentage Q with some missing values.

Maths: Number Knowledge 8H

Name _____ Date _____ Score _____/36_____

5% of 1200 =	40% of _____ = 264	30% of 210 =	42% of 7500 =
21% of 360 =	_____ % of 268 = 53.6	_____ % of 456 = 4.56	_____ % of 7200 = 1080
12 % of 420 =	3% of 120 =	9% of 870 =	15% of 5400 =
_____ % of 570 = 11.4	6% of 800 =	_____ % of 540 = 108	22% of 8000 =
15% of 68 =	15% of _____ 90	_____ % of 375 = 7.5	49% of 2500 =
_____ % of 750 = 500	6% of 560 =	30% of 640 =	33.3% of _____ = 74
9% of 460 =	11% of 640 =	_____ % of 280 = 112	_____ % of 900 = 180
11% of _____ = 968	_____ % of 375 = 125	5% of 480 =	40% of 520 =
30% of 420 =	7% of 420 =	60% of _____ = 570	_____ % of 810 = 89.1

- Calculating harder percentages of amounts, e.g. 5, 15, 21, etc...
- Solving percentage Q with some missing values.

Maths: Number Knowledge 8I

Name _____ Date _____ Score _____/24_____

$48 : 24 = 1/6 : \square$	$6 : \square = 12 : 8 = 9 : \square$	$8 : 9 = \square : 72 = \square : 0.45$
$20.5 : 82 = \square : 16 = 41 : \square$	$\square : 24 = 6 : 12 = 9 : \square$	$7 : \square = 42 : 36$
$4 : \frac{1}{2} = 2 : \square$	$\square : 20 = 3 : 10$	$\square : 0.9 = 12 : 1.2$
$36 : 4 = \square : 6 = 27 : \square$	$14 : \square = 7 : 3 = 21 : \square$	$3 : 4 = \square : 10$
$\square : 0.5 = 10 : 2.5 = 40 : \square$	$5 : 15 = 3 : \square = 45 : \square$	$\square : 3 = 4 : 6 = 10 : \square$
$\square : 1/3 = 72 : 12$	$\square : 12 = 2 : 48 = 1.5 : \square$	$28 : \square = 14 : 4$
$29 : 58 = 4/8 : \square$	$54 : 6 = \square : 9 = \square : 0.3$	$56 : \square = 7 : 5 = 14 : \square$
$48 : 6 = 24 : \square = 96 : \square$	$32 : \square = 8 : 5$	$24 : 4 = 48 : \square$

- Ratios with decimals & fractions

Maths: Number Knowledge 8I

Name _____ Date _____ Score _____/24_____

$48 : 24 = 1/6 : \square$	$6 : \square = 12 : 8 = 9 : \square$	$8 : 9 = \square : 72 = \square : 0.45$
$20.5 : 82 = \square : 16 = 41 : \square$	$\square : 24 = 6 : 12 = 9 : \square$	$7 : \square = 42 : 36$
$4 : \frac{1}{2} = 2 : \square$	$\square : 20 = 3 : 10$	$\square : 0.9 = 12 : 1.2$
$36 : 4 = \square : 6 = 27 : \square$	$14 : \square = 7 : 3 = 21 : \square$	$3 : 4 = \square : 10$
$\square : 0.5 = 10 : 2.5 = 40 : \square$	$5 : 15 = 3 : \square = 45 : \square$	$\square : 3 = 4 : 6 = 10 : \square$
$\square : 1/3 = 72 : 12$	$\square : 12 = 2 : 48 = 1.5 : \square$	$28 : \square = 14 : 4$
$29 : 58 = 4/8 : \square$	$54 : 6 = \square : 9 = \square : 0.3$	$56 : \square = 7 : 5 = 14 : \square$
$48 : 6 = 24 : \square = 96 : \square$	$32 : \square = 8 : 5$	$24 : 4 = 48 : \square$

- Ratios with decimals & fractions

(Maths: Number Knowledge 8I ANSWERS)

$48 : 24 = 1/6 : \square$ <u>A:1/12</u>	$6 : \square = 12 : 8 = 0.5 : \square$ <u>A:4,1/3</u>	$8 : 9 = \square : 72$ <u>A:64</u>
$20.5 : 82 = \square : 16 = 41 : \square$ <u>A:4,164</u>	$\square : 24 = 6 : 12 = 9 : \square$ <u>A:3,72</u>	$7 : \square = 42 : 36$ <u>A:6</u>
$4 : \frac{1}{4} = 2 : \square$ <u>A:1/4</u>	$\square : 20 = 3 : 10$ <u>A:6</u>	$\square : 0.9 = 8 : 1.2$ <u>A:0.6</u>
$36 : 4 = \square : 6 = 27 : \square$ <u>A:54,3</u>	$28 : \square = 7 : 3 = 14 : \square$ <u>A:12,6</u>	$3.6 : 4 = 9 : \square$ <u>A:10</u>
$\square : 0.5 = 10 : 2.5 = 40 : \square$ <u>A:2,10</u>	$5 : 15 = 3 : \square = 45 : \square$ <u>A:9,135</u>	$\square : 3 = 4 : 6 = 0.24 : \square$ <u>A:2,0.36</u>
$\square : 1/3 = 156 : 36$ <u>A:1,3</u>	$\square : 12 = 2 : 48 = 1.5 : \square$ <u>A:0.5,368</u>	$28 : \square = 14 : 4$ <u>A:8</u>
$29 : 58 = 4/8 : \square$ <u>A:1</u>	$54 : 6 = \square : 9 = \square : 0.3$ <u>A:81,2.7</u>	$\square : 56 = 7 : 5 = 14 : \square$ <u>A:40,10</u>
$48 : 6 = 24 : \square = 96 : \square$ <u>A:3,12</u>	$32 : \square = 8 : 5$ <u>A:20</u>	$24 : 4 = 48 : \square$ <u>A:2</u>

(Maths: Number Knowledge 8I ANSWERS)

$48 : 24 = 1/6 : \square$ <u>A:1/12</u>	$6 : \square = 12 : 8 = 0.5 : \square$ <u>A:4,1/3</u>	$8 : 9 = \square : 72$ <u>A:64</u>
$20.5 : 82 = \square : 16 = 41 : \square$ <u>A:4,164</u>	$\square : 24 = 6 : 12 = 9 : \square$ <u>A:3,72</u>	$7 : \square = 42 : 36$ <u>A:6</u>
$4 : \frac{1}{4} = 2 : \square$ <u>A:1/4</u>	$\square : 20 = 3 : 10$ <u>A:6</u>	$\square : 0.9 = 8 : 1.2$ <u>A:0.6</u>
$36 : 4 = \square : 6 = 27 : \square$ <u>A:54,3</u>	$28 : \square = 7 : 3 = 14 : \square$ <u>A:12,6</u>	$3.6 : 4 = 9 : \square$ <u>A:10</u>
$\square : 0.5 = 10 : 2.5 = 40 : \square$ <u>A:2,10</u>	$5 : 15 = 3 : \square = 45 : \square$ <u>A:9,135</u>	$\square : 3 = 4 : 6 = 0.24 : \square$ <u>A:2,0.36</u>
$\square : 1/3 = 156 : 36$ <u>A:1,3</u>	$\square : 12 = 2 : 48 = 1.5 : \square$ <u>A:0.5,368</u>	$28 : \square = 14 : 4$ <u>A:8</u>
$29 : 58 = 4/8 : \square$ <u>A:1</u>	$54 : 6 = \square : 9 = \square : 0.3$ <u>A:81,2.7</u>	$\square : 56 = 7 : 5 = 14 : \square$ <u>A:40,10</u>
$48 : 6 = 24 : \square = 96 : \square$ <u>A:3,12</u>	$32 : \square = 8 : 5$ <u>A:20</u>	$24 : 4 = 48 : \square$ <u>A:2</u>

Maths: Number Knowledge 8J

Name _____ Date _____ Score _____/36_____

$Y = 3x + 12 =$	$81 = \square \times +18$	$Y = 12x - 4 =$	$Y = \square \times + 8 = 57$
$Y = x + 48 =$	$Y = 3x + 13 =$	$Y = 6x + 4 =$	$Y = \square \times - 14 = 49$
$Y = 2x + 13 =$	$Y = 7x + 7 =$	$Y = 4x - 8 =$	$Y = 2x - 17 =$
$Y = 5x + 475 =$	$29 = \square \times + 2$	$Y = 7x - 14$	$Y = 4x + 2 - 4 =$
$35 = \square \times + 20$	$Y = 4x + 17 =$	$Y = \square \times + 15 = 30$	$Y = 8x + 15 =$
$Y = \square \times - 14 = 21$	$Y = 6x - 41 =$	$Y = 3x - 14 + 12 =$	$74 = \square \times - 3$
$Y = 11x - 65 =$	$Y = 2x - 19 =$	$42 = \square \times + 6$	$Y = \square \times + 19 = 40$
$Y = 6x - 48 =$	$74 = \square \times + 11$	$Y = 11x - 12 =$	$Y = \square \times - 15 + 3 = 23$
$Y = 45x - 65 =$	$Y = 8x - 12 =$	$50 = \square \times + 11$	$Y = 10x + \square = 84$
$x = 5$	$x = 9$	$x = 3$	$x = 7$

- Algebraic Equations (add and subtract)
- find value of y using times tables facts and adding/subtracting
- Pay attention to x at the top of each column

Maths: Number Knowledge 8J

Name _____ Date _____ Score _____/36_____

$Y = 3x + 12 =$	$81 = \square \times +18$	$Y = 12x - 4 =$	$Y = \square \times + 8 = 57$
$Y = x + 48 =$	$Y = 3x + 13 =$	$Y = 6x + 4 =$	$Y = \square \times - 14 = 49$
$Y = 2x + 13 =$	$Y = 7x + 7 =$	$Y = 4x - 8 =$	$Y = 2x - 17 =$
$Y = 5x + 475 =$	$29 = \square \times + 2$	$Y = 7x - 14$	$Y = 4x + 2 - 4 =$
$35 = \square \times + 20$	$Y = 4x + 17 =$	$Y = \square \times + 15 = 30$	$Y = 8x + 15 =$
$Y = \square \times - 14 = 21$	$Y = 6x - 41 =$	$Y = 3x - 14 + 12 =$	$74 = \square \times - 3$
$Y = 11x - 65 =$	$Y = 2x - 19 =$	$42 = \square \times + 6$	$Y = \square \times + 19 = 40$
$Y = 6x - 48 =$	$74 = \square \times + 11$	$Y = 11x - 12 =$	$Y = \square \times - 15 + 3 = 23$
$Y = 45x - 65 =$	$Y = 8x - 12 =$	$50 = \square \times + 11$	$Y = 10x + \square = 84$
$x = 5$	$x = 9$	$x = 3$	$x = 7$

- Algebraic Equations (add and subtract)
- find value of y using times tables facts and adding/subtracting
- Pay attention to x at the top of each column

Maths: Number Knowledge 8J Answers

Name Answers

Date _____

Score _____/36

x= 5

x= 9

x= 3

x= 7

$Y = 3x + 12 = 28$	$\square$ $81 = x - 18$ $[\] = 7$	$Y = 12x - 4 = 32$	$Y = 7x + 8 = 57$
$Y = x + 48 = 53$	$Y = 3x + 13 = 40$	$Y = 6x + 4 = 22$	$Y = 9x - 14 = 49$
$Y = 2x + 13 = 23$	$Y = 7x + 7 = 70$	$Y = 4x - 8 = 4$	$Y = 2x - 17 = -3$
$Y = 5x + 475 = 500$	$\square$ $29 = x + 2$ $[\] =$ 3	$Y = 7x - 14 = 7$	$Y = 4x + 2 - 4 = 26$
$35 = \square x + 20$ $[\] = 3$	$Y = 4x + 17 = 53$	$Y = 5x + 15 = 30$	$Y = 8x + 15 = 71$
$Y = 7x - 14 = 21$	$Y = 6x - 41 = 13$	$Y = 3x - 14 + 12 = 7$	$74 = \square x - 3$ $[\] = 11$
$Y = 11x - 65 = -10$	$Y = 2x - 19 = -1$	$42 = \square x + 6$ $[\] = 12$	$Y = 3x + 19 = 40$
$Y = 6x - 48 = -18$	$74 = \square x + 11$ $[\] = 7$	$Y = 11x - 12 = 21$	$Y = 5x - 15 + 3 = 23$
$Y = 45x - 65 = 160$	$Y = 8x - 12 = 60$	$50 = \square x + 11$ $[\] = 13$	$Y = 10x + 14 = 84$

- Algebraic Equations (add and subtract)
- find value of y using times tables facts and adding/subtracting
- Pay attention to x at the top of each column

Maths: Number Knowledge 8J Answers

Name Answers

Date _____

Score _____/36

x= 5

x= 9

x= 3

x= 7

$Y = 3x + 12 = 28$	$\square$ $81 = x - 18$ $[\] = 7$	$Y = 12x - 4 = 32$	$Y = 7x + 8 = 57$
$Y = x + 48 = 53$	$Y = 3x + 13 = 40$	$Y = 6x + 4 = 22$	$Y = 9x - 14 = 49$
$Y = 2x + 13 = 23$	$Y = 7x + 7 = 70$	$Y = 4x - 8 = 4$	$Y = 2x - 17 = -3$
$Y = 5x + 475 = 500$	$\square$ $29 = x + 2$ $[\] =$ 3	$Y = 7x - 14 = 7$	$Y = 4x + 2 - 4 = 26$
$35 = \square x + 20$ $[\] = 3$	$Y = 4x + 17 = 53$	$Y = 5x + 15 = 30$	$Y = 8x + 15 = 71$
$Y = 7x - 14 = 21$	$Y = 6x - 41 = 13$	$Y = 3x - 14 + 12 = 7$	$74 = \square x - 3$ $[\] = 11$
$Y = 11x - 65 = -10$	$Y = 2x - 19 = -1$	$42 = \square x + 6$ $[\] = 12$	$Y = 3x + 19 = 40$
$Y = 6x - 48 = -18$	$74 = \square x + 11$ $[\] = 7$	$Y = 11x - 12 = 21$	$Y = 5x - 15 + 3 = 23$
$Y = 45x - 65 = 160$	$Y = 8x - 12 = 60$	$50 = \square x + 11$ $[\] = 13$	$Y = 10x + 14 = 84$

- Algebraic Equations (add and subtract)
- find value of y using times tables facts and adding/subtracting
- Pay attention to x at the top of each column

Maths: Number Knowledge 8K

Name _____ Date _____ Score _____/32_____

$y=5, z=6$	$y=7, z=3$	$y=9, z=4$	$y=2, z=8$
$2(5y-2z) =$	$4yz \div 12 =$	$y \times \square z = 108$	$y^6 \div z -(z+10) =$
$5(z-y)+2 =$	$2z \times yz =$	$y^2 - z =$	$z \times 0.25 \times 0.5 =$
$5+2z-3y =$	$7z^2 \div 3z =$	$(y-z) \times 5 =$	$\frac{1}{2} y^2 z^2 + 80 =$
$2(3y-2z) =$	$(z \times 4) \times 11 \div (y+4) =$	$(z \times 2) + 1 - y =$	$z^2 =$
$y^3 =$	$y^3 \times z =$	$z \times z \times z =$	$z \times 0.75 + y^3 =$
$(y-2z) \times 8 =$	$y^2 =$	$y^3 =$	$(z \div y) \div \frac{3}{8} \text{ of } 16 =$
$3y^2 z =$	$yz^2 - z + 2 =$	$yz^2 =$	$y \square \times z - 22 = 42$
$z^3 =$	$4z \times (z^2 - 4) =$	$z^2 + y \times 28 =$	$4yz + 37 =$

-Algebraic Equations

-Brackets, Division, Multiplication, Addition, Subtraction, Squared, Cubed

-Remember to pay attention to what y and z are

Maths: Number Knowledge 8K

Name _____ Date _____ Score _____/32_____

$y=5, z=6$	$y=7, z=3$	$y=9, z=4$	$y=2, z=8$
$2(5y-2z) =$	$4yz \div 12 =$	$y \times \square z = 108$	$y^6 \div z -(z+10) =$
$5(z-y)+2 =$	$2z \times yz =$	$y^2 - z =$	$z \times 0.25 \times 0.5 =$
$5+2z-3y =$	$7z^2 \div 3z =$	$(y-z) \times 5 =$	$\frac{1}{2} y^2 z^2 + 80 =$
$2(3y-2z) =$	$(z \times 4) \times 11 \div (y+4) =$	$(z \times 2) + 1 - y =$	$z^2 =$
$y^3 =$	$y^3 \times z =$	$z \times z \times z =$	$z \times 0.75 + y^3 =$
$(y-2z) \times 8 =$	$y^2 =$	$y^3 =$	$(z \div y) \div \frac{3}{8} \text{ of } 16 =$
$3y^2 z =$	$yz^2 - z + 2 =$	$yz^2 =$	$y \square \times z - 22 = 42$
$z^3 =$	$4z \times (z^2 - 4) =$	$z^2 + y \times 28 =$	$4yz + 37 =$

-Algebraic Equations

-Brackets, Division, Multiplication, Addition, Subtraction, Squared, Cubed

-Remember to pay attention to what y and z are

Maths: Number Knowledge 8L

Name _____ Date _____ Score _____/40_____

10^3	1^3	$\sqrt{289}$	$\sqrt{361}$
$234.78 \div 100 =$	17^2	$45.34 - 19.69 =$	$45.06 \div 10 =$
13^2	$\sqrt[3]{125}$	12^3	9^3
$0.76 + 34.78$	$14.7 \times 100 =$	$34.98 + 19.35 =$	$\sqrt{121}$
$76.56 + 54.111 =$	$0.34 \times \underline{\hspace{2cm}} = 2.72$	$28.3 \div \underline{\hspace{2cm}} = 0.283$	0.17×6
$11.2487 \times 1000 =$	$0.67 \times 7 =$	$45 + 13 + 123 =$	$10.007 \times 100 =$
4^2	16^2	$0.37 \times 13 =$	$\sqrt[3]{343}$
7^3	$51 + 0.51354 =$	11^3	$12.64 - 8.78 =$
$23.68 - 19.98$	14^2	$137.4 - 2.75 =$	$0.372 \times 100 =$
$15.77 - \underline{\hspace{2cm}} = 13.8$	$11.33 + \underline{\hspace{2cm}} = 54.21$	9^3	$176.23 - 154.975 =$

Maths: Number Knowledge 8L

Name _____ Date _____ Score _____/40_____

10^3	1^3	$\sqrt{289}$	$\sqrt{361}$
$234.78 \div 100 =$	17^2	$45.34 - 19.69 =$	$45.06 \div 10 =$
13^2	$\sqrt[3]{125}$	12^3	9^3
$0.76 + 34.78$	$14.7 \times 100 =$	$34.98 + 19.35 =$	$\sqrt{121}$
$76.56 + 54.111 =$	$0.34 \times \underline{\hspace{2cm}} = 2.72$	$28.3 \div \underline{\hspace{2cm}} = 0.283$	0.17×6
$11.2487 \times 1000 =$	$0.67 \times 7 =$	$45 + 13 + 123 =$	$10.007 \times 100 =$
4^2	16^2	$0.37 \times 13 =$	$\sqrt[3]{343}$
7^3	$51 + 0.51354 =$	11^3	$12.64 - 8.78 =$
$23.68 - 19.98$	14^2	$137.4 - 2.75 =$	$0.372 \times 100 =$
$15.77 - \underline{\hspace{2cm}} = 13.8$	$11.33 + \underline{\hspace{2cm}} = 54.21$	9^3	$176.23 - 154.975 =$

Maths: Number Knowledge 8L ANSWERS

Name _____ Date _____ Score _____/40_____

10^3 1000	1^3 1	$\sqrt{289}$ 17	$\sqrt{361}$ 19
$234.78 \div 100 =$	17^2 289	$45.34 - 19.69 = 25.65$	$45.06 \div 10 = 4.506$
13^2 169	$\sqrt[3]{125}$ 5	12^3 1728	9^3 729
$0.76 + 34.78 = 35.54$	$14.7 \times 100 = 1470$	$34.98 + 19.35 = 54.17$	$\sqrt{121}$ 11
$76.56 + 54.111 = 130.671$	$0.34 \times 0.08 = 2.72$	$28.3 \div 8.0089 = 0.283$	$0.17 \times 6 = 1.02$
$11.2487 \times 1000 = 11248.7$	$0.67 \times 7 = 4.69$	$45 + 13 + 123 = 181$	$10.007 \times 100 = 1000.7$
4^2 16	16^2 256	$0.37 \times 13 = 4.81$	$\sqrt[3]{343} = 7$
7^3 343	$51 + 0.51354 = 51.51354$	11^3 1331	$12.64 - 8.78 = 3.86$
$23.68 - 19.98 = 3.7$	14^2 196	$137.4 - 2.75 = 134.65$	$0.372 \times 100 = 37.2$
$15.77 - 1.97 = 13.8$	$11.33 + 42.88 = 54.21$	9^3 729	$176.23 - 154.975 = 21.255$

Maths: Number Knowledge 8L ANSWERS

Name _____ Date _____ Score _____/40_____

10^3 1000	1^3 1	$\sqrt{289}$ 17	$\sqrt{361}$ 19
$234.78 \div 100 =$	17^2 289	$45.34 - 19.69 = 25.65$	$45.06 \div 10 = 4.506$
13^2 169	$\sqrt[3]{125}$ 5	12^3 1728	9^3 729
$0.76 + 34.78 = 35.54$	$14.7 \times 100 = 1470$	$34.98 + 19.35 = 54.17$	$\sqrt{121}$ 11
$76.56 + 54.111 = 130.671$	$0.34 \times 0.08 = 2.72$	$28.3 \div 8.0089 = 0.283$	$0.17 \times 6 = 1.02$
$11.2487 \times 1000 = 11248.7$	$0.67 \times 7 = 4.69$	$45 + 13 + 123 = 181$	$10.007 \times 100 = 1000.7$
4^2 16	16^2 256	$0.37 \times 13 = 4.81$	$\sqrt[3]{343} = 7$
7^3 343	$51 + 0.51354 = 51.51354$	11^3 1331	$12.64 - 8.78 = 3.86$
$23.68 - 19.98 = 3.7$	14^2 196	$137.4 - 2.75 = 134.65$	$0.372 \times 100 = 37.2$
$15.77 - 1.97 = 13.8$	$11.33 + 42.88 = 54.21$	9^3 729	$176.23 - 154.975 = 21.255$