Key Instant Recall Facts
Year 5 – Autumn 1

Help support your child by ensuring they know these facts by half term. The aim is for every child to be able to recall these facts instantly.
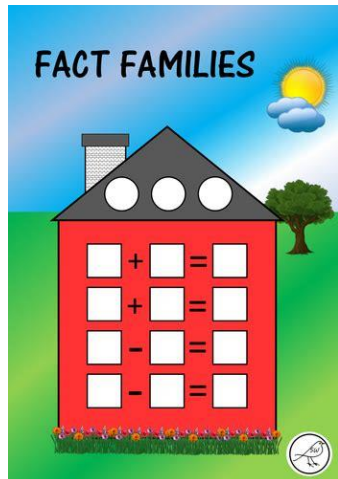
FACT FAMILIES

Fact families are made up of 3 numbers and show us how they are related to each other in a calculation.

"I know the fact families for all times tables up to 12 x 12."

3 x 8 =24	3 x 9 = 27
8 x 3 =24	9 x 3 = 27
24 ÷ 8 =3	27 ÷ 9 = 3
24 ÷ 3 = 8	27 ÷ 3 = 9

Don't settle for just one fact, see if you can get all four! Buy 1 Get 3 Free!

Missing number Questions

$6 \times \bigcirc = 36$ $56 \div \bigcirc = 8$

New Learning Challenge:

Read and Write using Roman Numerals

I = 1
V = 5
X = 10
L = 50
C = 100
D = 500
M = 1000

I Value
Xylophones
Like Cows
Do Milk

Key Instant Recall Facts
Year 5 – Autumn 2

Help support your child by ensuring they know these facts by the Christmas holidays. The aim is for every child to be able to recall these facts instantly.

"I know my **decimal number bonds to 1 and 10.**"

0.6 + 0.4 = 1	3.7 + 6.3 = 10
0.4 + 0.6 = 1	6.3 + 3.7 = 10
1 – 0.4 = 0.6	10 – 6.3 = 3.7
1 – 0.6 = 0.4	10 – 3.7 = 6.7

Top Tip:
Why not try thinking of it as money?

£0.70 + ☐ = £1

Missing number Questions

10 - ◯ = 2.8   ◯ + 0.2 = 1

New Learning Challenge:

"I can multiply and divide by 10, 100 and 1000 in my head."

34 x 10 = 340   34 x 100 = 3400   34 x 1000 = 34000

34 ÷ 10 = 3.4   34 ÷ 100 = 0.34   34 ÷ 1000 = 0.034

Key Instant Recall Facts
Year 5 – Spring 1

Help support your child by ensuring they know these facts by February half term.
The aim is for every child to be able to recall these facts instantly.

"I can recall metric conversions."

1 kilogram = 1000 grams

1 kilometre = 1000 metres

1 metre = 100 centimetres

1 metre = 1000 millimetres

1 centimetre = 10 millimetres

1 litre = 1000 millilitres

Fraction and Decimal Equivalents:

$\frac{1}{4}$ = 0.25 = 25% $\frac{3}{4}$ = 0.75 = 75%

$\frac{2}{4}$ = 0.5 = 50% $\frac{1}{2}$ = 0.5 = 50%

New Learning Challenge:

Multiplication	Improper fraction	Mixed number
$3 \times \frac{4}{7}$	$\frac{12}{7}$	$1\frac{5}{7}$

$3 \times \frac{4}{7} = \frac{3 \times 4}{7} = \frac{12}{7}$

Key Instant Recall Facts
Year 5 – Spring 2

Help support your child by ensuring they know these facts by Easter.
The aim is for every child to be able to recall these facts instantly.

"I can recall all the primes numbers up to 20."

2, 3, 5, 7, 11, 13, 17, 19

A prime number is a number which can only be divided by 1 and itself.

New Learning Challenge:

"I can identify percentages and their fraction equivalents."
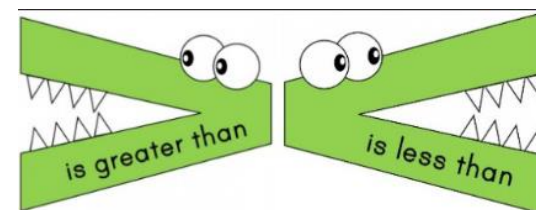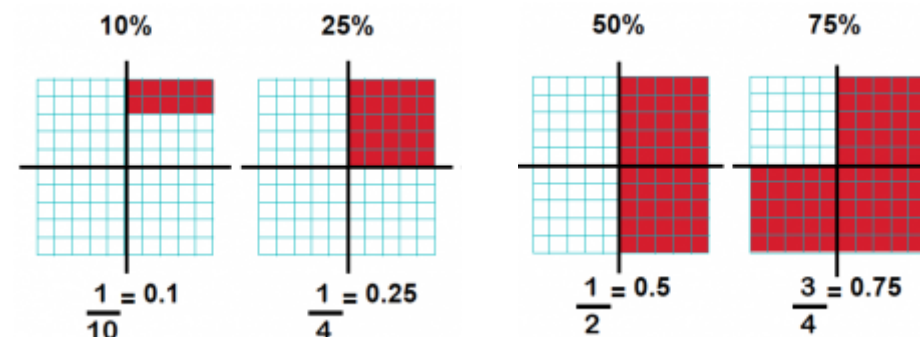
10%	25%	50%	75%
$\frac{1}{10} = 0.1$	$\frac{1}{4} = 0.25$	$\frac{1}{2} = 0.5$	$\frac{3}{4} = 0.75$

"I can compare decimal numbers."

3.45 > 3.02   5.67 < 5.42

2.18 > 2.06   9.651 < 9.82

is greater than   is less than

Key Instant Recall Facts
Year 5 – Summer 1

Help support your child by ensuring they know these facts by May half term.
The aim is for every child to be able to recall these facts instantly.

"I can recall square numbers up to 12² and their square roots."

$1^2 = 1 \times 1 = 1$

$2^2 = 2 \times 2 = 4$

$3^2 = 3 \times 3 = 9$

$4^2 = 4 \times 4 = 16$

$5^2 = 5 \times 5 = 25$

$6^2 = 6 \times 6 = 36$

$7^2 = 7 \times 7 = 49$

$8^2 = 8 \times 8 = 64$

$9^2 = 9 \times 9 = 81$

$10^2 = 10 \times 10 = 100$

$11^2 = 11 \times 11 = 121$

$12^2 = 12 \times 12 = 144$

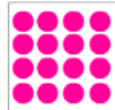4 — 2^2 or $2 \times 2 = 4$

9 — 3^2 or $3 \times 3 = 9$

16 — 4^2 or $4 \times 4 = 16$

$\sqrt{4} = 2$

$\sqrt{9} = 3$

$\sqrt{16} = 4$

$\sqrt{25} = 5$

Angles:

Acute Angle — Less than 90°

Right Angle — Exactly 90°

Obtuse Angle — Greather than 90° but less than 180°

Straight Angle — Exactly 180°

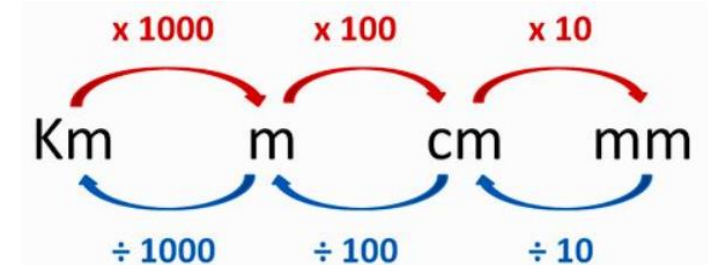**Reflex Angle** — Greater than 180°
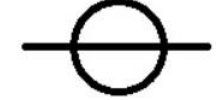
Full Rotation — Exactly 360°

New Learning Challenge:

1 km = 1000m

1m = 100cm

1cm = 10mm

x 1000   x 100   x 10

Km   m   cm   mm

÷ 1000   ÷ 100   ÷ 10

Key Instant Recall Facts
Year 5 – Summer 2

Help support your child by ensuring they know these facts by the end of Year 5.
The aim is for every child to be able to recall these facts instantly.

"I can recall all my times table to 12 x 12 and know the division facts too."

X	0	1	2	3	4	5	6	7	8	9	10	11	12
0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10	11	12
2	0	2	4	6	8	10	12	14	16	18	20	22	24
3	0	3	6	9	12	15	18	21	24	27	30	33	36
4	0	4	8	12	16	20	24	28	32	36	40	44	48
5	0	5	10	15	20	25	30	35	40	45	50	55	60
6	0	6	12	18	24	30	36	42	48	54	60	66	72
7	0	7	14	21	28	35	42	49	56	63	70	77	84
8	0	8	16	24	32	40	48	56	64	72	80	88	96
9	0	9	18	27	36	45	54	63	72	81	90	99	108
10	0	10	20	30	40	50	60	70	80	90	100	110	120
11	0	11	22	33	44	55	66	77	88	99	110	121	132
12	0	12	24	36	48	60	72	84	96	108	120	132	144

New Learning Challenge:

"I can identify regular and irregular shapes."

	Regular polygon	Irregular Polygon
Triangle		
Quadrilateral		
Pentagon		
Hexagon		
Octagon		