



Year 5 'Must Know' Maths Facts!

Place Value

M Millions 1 000 000	Hth Hundred Thousands 100 000	Tth Ten Thousands 10 000	Th Thousands 1000	H Hundreds 100	T Tens 10	U Units 1	t tenths 0.1	h hundredths 0.01	th thousandths 0.001
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Rounding Poem

Find your **place**
 Look **next door**
 5 or greater, **add one** more
 All digits in front stay the same
 All digits behind, zero's your name

Example:

Round to nearest ten	Round to nearest hundred
6 <u>3</u> → 60	4 <u>3</u> 5 → 400
6 <u>5</u> → 70	4 <u>6</u> 2 → 500
5 <u>2</u> 4 → 520	7 <u>3</u> 2 8 → 7300
5 <u>2</u> 8 → 530	7 <u>3</u> 5 6 → 7400

Multiply and Dividing by 10, 100, 1000

10 000	1000	100	10	1	●	$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1000}$
					●			
					●			

MULTIPLYING

X 10 digits move LEFT 1 space

X 100 digits move LEFT 2 spaces

X 1000 digits move LEFT 3 spaces

DIVIDING

÷ 10 digits move RIGHT 1 space

÷ 100 digits move RIGHT 2 spaces

÷ 1000 digits move RIGHT 3 spaces

Magical Educator

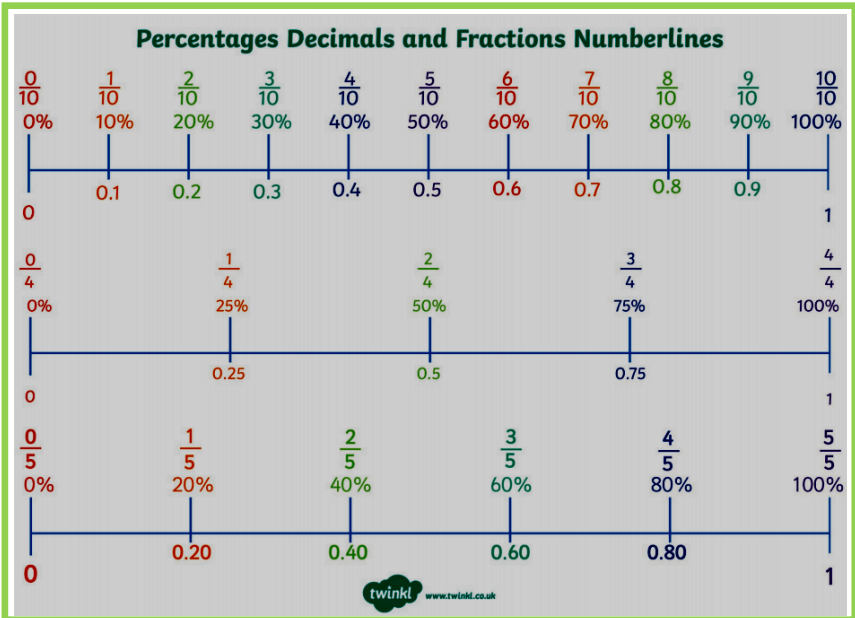
Times tables up to 12 x 12

Related division facts—the inverse

E.g. $6 \times 4 = 24$ so $24 \div 4 = 6$

Use place value and times tables knowledge to solve other problems

e.g. $60 \times 4 = 240$, 240 apples divided in to bags of 6, how many bags?



3D Shapes

Faces = The 2D shapes used to make a 3D shape
Edges = Where 2 faces join
Vertices = The corners of a shape

Factors multiply together to make a number

Factors of 15: 1, 3, 5, 15 (1 x 15, 3 x 5)

Multiples are numbers made by multiplying that number by another:

Multiples of 8: 8, 16, 24, 32, 40, 800...