

Year 5 Key Maths Facts



You should also recall all the Year 1, 2, 3 and 4 facts.

Number

Prime numbers can only be divided by themselves and one.

Prime numbers to 20 are 2,3,5,7,11,13,17 and 19

Composite numbers are any numbers that aren't prime. They can be divided by 1 and at least one other divisor.

Square numbers (2)- numbers multiplied by themselves e.g. $2 \times 2 = 4$

Cube numbers (3) - multiplied by themselves then themselves again e.g. $3 \times 3 \times 3 = 27$

Roman Numerals

1	I	5	V	9	IX	40	XL	80	LXXX	
2	II	6	VI	10	X	50	L	90	XC	
3	III	7	VII	20	XX	60	LX	100	C	1,000
4	IV	8	VIII	30	XXX	70	LXX	500	D	M

Fractions, Decimals and Percentages

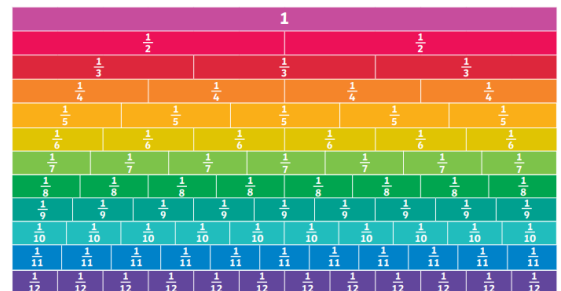
$$\frac{1}{4} = 0.25 = 25\% \quad \frac{1}{5} = 0.2 = 20\%$$

$$\frac{1}{2} = 0.5 = 50\% \quad \frac{2}{5} = 0.4 = 40\%$$

$$\frac{3}{4} = 0.75 = 75\% \quad \frac{4}{5} = 0.8 = 80\%$$

$$\frac{1}{10} = 0.1 = 10\%$$

Fractions Wall



Measurement Conversions

From km to m = multiply by 1,000

$$3.5\text{km} \times 1,000 = 3,500\text{m}$$

From m to km = divide by 1,000

$$4,300\text{m} \div 1,000 = 4.3\text{km}$$



From l to ml = multiply by 1,000


$$3.5\text{l} \times 1,000 = 3,500\text{ml}$$

From ml to l = divide by 1,000

$$4,300\text{ml} \div 1,000 = 4.3\text{l}$$

Measurement Conversions continued

Converting Mass	Converting Capacity
 $1000\text{g} = 1\text{kg}$ $\frac{1}{10}\text{kg} = 0.1\text{kg} = 100\text{g}$ $\frac{1}{4}\text{kg} = 0.25\text{kg} = 250\text{g}$ $\frac{1}{2}\text{kg} = 0.5\text{kg} = 500\text{g}$ $\frac{3}{4}\text{kg} = 0.75\text{kg} = 750\text{g}$	 $1000\text{ml} = 1\text{ litre}$ $\frac{1}{10}\text{l} = 0.1\text{l} = 100\text{ml}$ $\frac{1}{4}\text{l} = 0.25\text{l} = 250\text{ml}$ $\frac{1}{2}\text{l} = 0.5\text{l} = 500\text{ml}$ $\frac{3}{4}\text{l} = 0.75\text{l} = 750\text{ml}$ $\frac{1}{100}\text{l} = 0.01\text{l} = 10\text{ml}$

Converting Length
 $\text{km} \xrightarrow{\times 1000} \text{m} \xrightarrow{\times 100} \text{cm} \xrightarrow{\times 10} \text{mm}$ $\text{mm} \xrightarrow{\div 10} \text{cm} \xrightarrow{\div 100} \text{m} \xrightarrow{\div 1000} \text{km}$
$1000\text{ metres} = 1\text{ kilometre}$ $100\text{cm} = 1\text{m}$ $10\text{mm} = 1\text{cm}$ $\frac{1}{10}\text{km} = 0.1\text{km} = 100\text{m}$ $\frac{1}{4}\text{km} = 0.25\text{km} = 250\text{m}$ $\frac{1}{2}\text{km} = 0.5\text{km} = 500\text{m}$ $\frac{3}{4}\text{km} = 0.75\text{km} = 750\text{m}$

Geometry

Acute angles are less than 90 degrees.

Obtuse angles are greater than 90 but less than 180 degrees

Reflex angles are greater than 180 degrees

Right Angles are 90 degrees

Angles on a straight line add to 180 degrees

Angles around a point (full turn) add to 360 degrees

Times Tables

Recall multiplication and **division facts** for ALL times tables up to 12×12

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