

Multiplication and division vocabulary

Term	Definition	Example
factor	a number that divides exactly into another number	factors of 12 = 1, 2, 3, 4, 6, 12
common factor	factors of two numbers that are the same	common factors of 8 and 12 = 1, 2, 4
product	result of two factors multiplied against each other	$3 \times 5 = 15$
multiple	a number in another number's times table	multiples of 9 = 9, 18, 27, 36...

Roman numerals

1	I	7	VII
2	II	8	VIII
3	III	9	IX
4	IV	10	X
5	V	11	XI
6	VI	12	XII

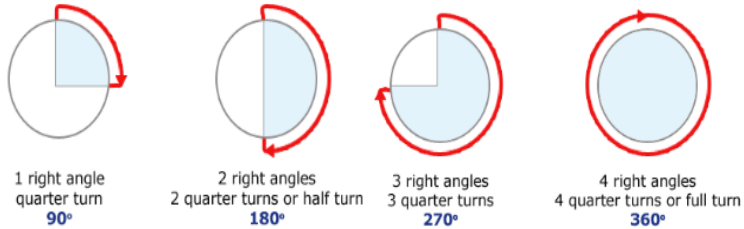
Measurement conversions

Month	Days
January	31
February	28 (29 in leap year)
March	31
June	30
July	31
August	31
September	30
October	31
November	30
December	31

1 centimetre	10mm
1 metre	100cm
1 kilometre	1,000 m
1 kilogram	1,000 grams
1 litre	1,000 millilitres

1 year = 365 days (≈ 52 weeks)
Leap year = 366 days

YEAR 3 MATHS KNOWLEDGE ORGANISER

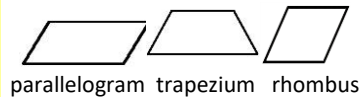


2D shapes

Name	No. of sides
triangle	3
quadrilateral	4
pentagon	5
hexagon	6
heptagon	7
octagon	8
nonagon	9
decagon	10

polygon = shape with straight sides
regular = all sides/angles the same
irregular = sides/angles **not** same

Types of quadrilateral



3D shapes

	square-based pyramid	triangular-based pyramid	triangular prism
faces (the flat sides)	5	4	5
edges	8	6	9
vertices (the points where the edges meet)	5	4	6

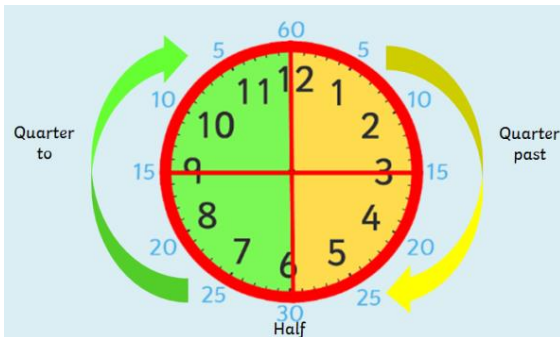
$$\frac{2}{5} + \frac{1}{5} = \frac{3}{5}$$



$$\frac{5}{6} - \frac{2}{6} = \frac{3}{6}$$



Time



60 seconds = 1 minute

60 minutes = 1 hour

24 hours = 1 day

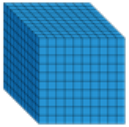
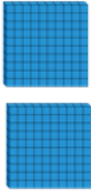






7 days = 1 week

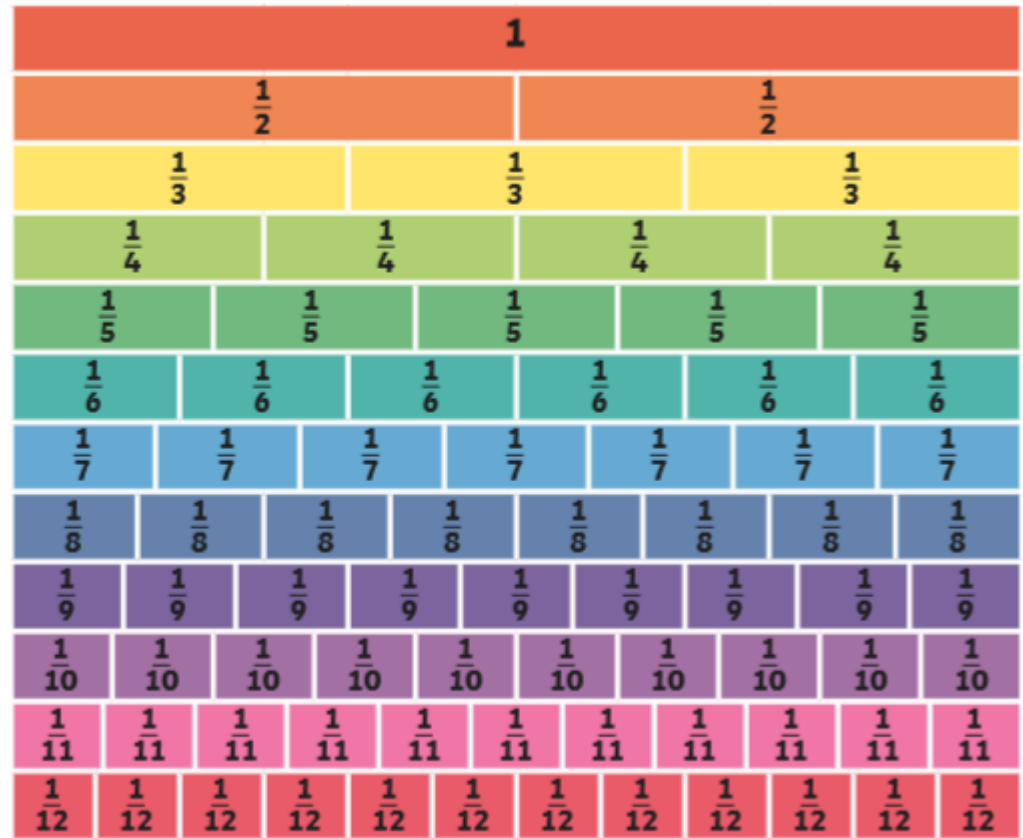
365 days = 1 year

52 weeks = 1 year

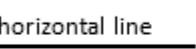
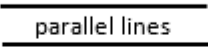

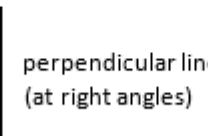
4 → Numerator
— → Vinculum
7 → Denominator

1224

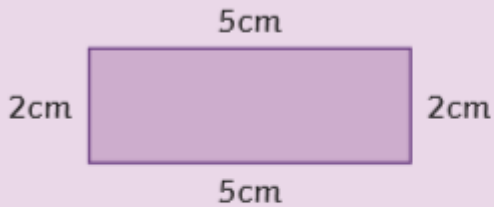
Thousands	Hundreds	Tens	Ones
			
			



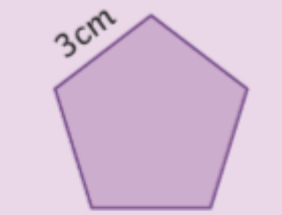
Shape vocabulary
 perimeter = measure around the edge

There are 24 hours in a day.



$5\text{cm} + 2\text{cm} + 5\text{cm} + 2\text{cm} = 14\text{cm}$



$3\text{cm} + 3\text{cm} + 3\text{cm} + 3\text{cm} + 3\text{cm} = 15\text{cm}$

PERIMETER
 Is the total distance around a shape.

