Year 3 Knowledge organiser

Multiplication and division vocabulary

Term	Definition	Example
integer	A number that is not a fraction i.e. a whole number	1,2,3,4,

Fractions, decimals & percentages

$1/10$	0.1	$\div 10$
1	1	$\div 1$

Angles

To know that angles are a measurement and that they measure a turn. They are measured in degrees.

full turn	360°
half turn	180°
right angle	90°

Times tables
To know multiplication and division facts for multiplication tables 3,4 and 8

PERIMETER

Is the distance around a two-dimensional shape.


```
        4cm
4cm  [      ]  4cm
        4cm
```
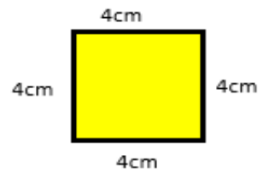
Perimeter = 16cm

Shape vocabulary perimeter = measure around the edge (circumference = perimeter of a circle)

Horizontal line

Vertical line

parallel lines

Perpendicular lines

2D shapes

2D shapes have 2 dimensions- width and height

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

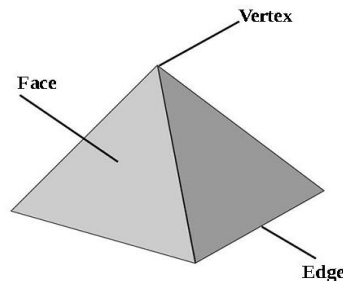regular = all sides/angles the same

irregular = sides/angles **not** same

3D shapes

3D shapes have 3 dimensions – width height and depth

Vertices are corners

Edges

faces

Measurement conversions

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

1 **cent**imetre	10mm
1 metre	100cm
1 **kilo**gram	1,000 grams
1 litre	1,000 **milli**litres
1 minute	60 seconds
1 hour	60 minutes
1 day	24 hours
1 week	7 days
1 year	365 days (366 in a leap year) 52 weeks
£1	100p
£5	500p

Roman numerals

1	I
5	V
10	X

Time

To read time on analogue clock.
To know that the shorter (hour) hand points to the hours.
The longer (minute) hand points to the minutes.

The hour hand has passed 8 and the minute hand is at 15. The time is 8:15 pm.

To know that the 24 hour clock has 4 digits and represents the 24 hours in a day. The first two digits represent the hours that have passed and the last two digits represent the minutes.

15:23 means that 15 hours and 23 minutes of the day has passed – 15 hours is 3 hours after midday (12pm). Therefore the time is: **3:23 pm.**