

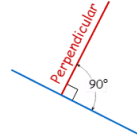

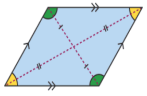
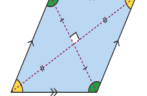
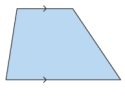


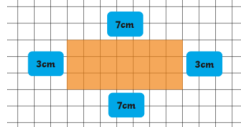
Horizontal 	Vertical 
Perpendicular At an angle of 90 degrees 	Parallel Always having the same distance between two lines 

Quadrilaterals	Parallelogram 	Rhombus 	Trapezium 
	Two pairs of parallel sides	All sides have the same length and are parallel	One pair of parallel sides

10mm = 1cm
100cm = 1m
1,000m = 1km
1,000g = 1kg
1,000ml = 1l

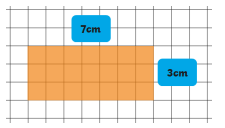
Month	Days
January	31
February	28 (29 in leap year)
March	31
April	30
May	31
June	30
July	31
August	31
September	30
October	31
November	30
December	31
1 year = 365 days (≈ 52 weeks)	
Leap year = 366 days	

Perimeter



Perimeter is the total length of the outside of a shape

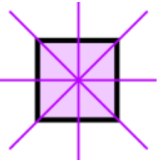
Area



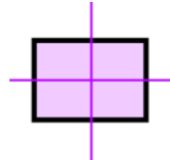
The measurement of a surface

Symmetry

When two or more parts are identical after a flip



A square has 4 lines of symmetry



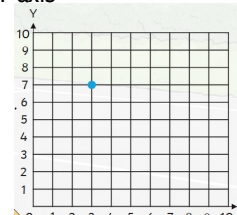
A rectangle has 2 lines of symmetry

Year 4 MATHS
KNOWLEDGE
ORGANISER



Coordinates

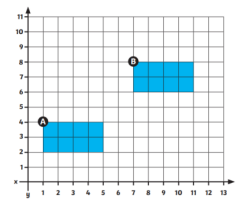
Describing position on a grid using X and Y axis



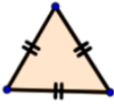

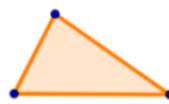
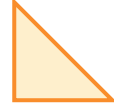
(3,7) X axis first and then the Y axis

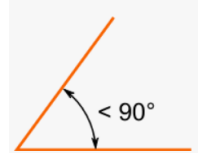
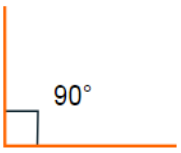
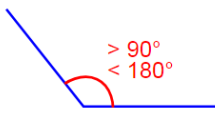
Translation

Describe movements between position units number and left/right, up/down



The rectangle has been translated 6 squares right and 4 squares up.

Triangles	Equilateral Triangle	Isosceles Triangle	Scalene Triangle	Right angled triangle
				
	3 equal sides and 3 equal angles of 60°	2 equal sides and 2 equal angles.	No equal sides and no equal angles	One of the angles is a right angle (90°)

Roman Numerals		Acute Angle	Right Angle	Obtuse Angle
I	1			
V	5	Less than 90°	Equal to 90°	More than 90° but less than 180°
X	10			
L	50			
C	100			

12am	00:00	12pm	12:00
1am	01:00	1pm	13:00
2am	02:00	2pm	14:00
3am	03:00	3pm	15:00
4am	04:00	4pm	16:00
5am	05:00	5pm	17:00
6am	06:00	6pm	18:00
7am	07:00	7pm	19:00
8am	08:00	8pm	20:00
9am	09:00	9pm	21:00
10am	10:00	10pm	22:00
11am	11:00	11pm	23:00