

Year 6 maths quiz: memory mastermind!

Multiplication and division vocabulary

- 1) List all the **factors** of 36: _____
- 2) List all the **common factors** of 24 and 32: _____
- 3) List all the **prime numbers** under 20: _____
- 4) What's a **composite number**? _____
- 5) What are the **prime factors** of 12? _____
- 6) List the first 6 **multiples** of 9: _____, _____, _____, _____, _____ and _____
- 7) What is the **lowest common multiple** of 4 and 6? _____
- 8) List 3 different **square numbers**: _____, _____ and _____
- 9) What is 3^3 ? _____

Fractions, decimals & percentages

Complete the conversion grid.

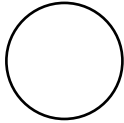
Fraction	Decimal	Percentage	Operation
$\frac{1}{2}$			
	0.2		
		1%	
			$\div 10$
$\frac{3}{4}$			$\div 4, \times 3$
	0.25		
		5%	

Angles

Complete the grid.

How many degrees...	
in a full turn?	°
in a half turn?	°
in a right angle?	°
in an acute angle?	°
in an obtuse angle?	°
in a reflex angle?	°
on a straight line?	°
inside a triangle?	°
inside a quadrilateral?	°

Shape vocabulary

Draw a horizontal line.	Draw a vertical line.	Draw a pair of parallel lines.	Draw a pair of perpendicular lines.	Label this circle with its circumference, radius and diameter.
				

Roman numerals

Complete the grid.

1 = I	= X	100 =	1000 =
= V	50 =	= D	

2D shapes

Complete the grid.

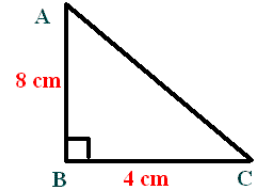
Name	No. of sides
octagon	
	5
nonagon	
	7
quadrilateral	
	10
hexagon	

What is a **polygon**? _____

What's the difference between a **regular** and **irregular** polygon?

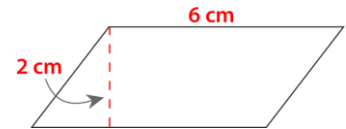
What is the area of this triangle?

Area = _____



What is the area of this parallelogram?

Area = _____



Below each shape, write its name (don't just write 'triangle' for the first 3 – be specific!)

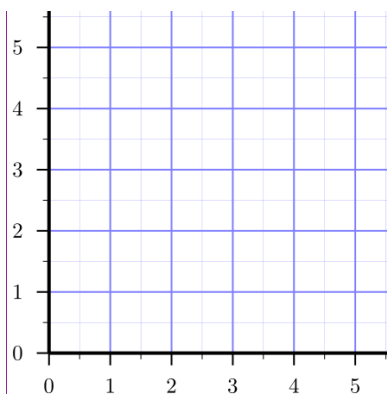
Measurement conversions

- List all the months that have exactly 31 days: _____
- List all the months that have exactly 30 days: _____
- What's different about a leap year? _____

Complete the conversions.

1cm =	mm	1km =	m	1 litre =	ml
1m =	cm	1 mile =	km	1 kilogram =	g

Co-ordinates Write an **X** on the co-ordinate (3,5).



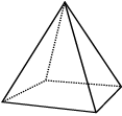
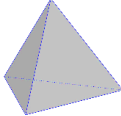
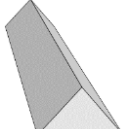
The mean

What is the mean of the following numbers?

5, 7, 2, 8, 3

Mean = _____

3D shapes

Complete the grid.			
What is this shape called?			
How many faces does it have?			
How many edges does it have?			
How many vertices does it have?			

What's the volume of this cuboid? _____

