



Place Value Mystery Number **Answers**

Use these clues to help you calculate the missing number.

The mystery number (x) has been ordered with these numbers.			ordered with	If you count back from the mystery number in	
9 723 654	9 852 000	x	10 000 000	millions, you will arrive at an odd number less than 10 000 000 but greater than 9 999 900.	
Smallest Greatest			Greatest	than 10 000 000 but greater than 9 999 900.	
The value of the tens digit in the mystery number is 0.			he mystery	The digit sum of the mystery number is 54.	

The mystery number is 9 999 909.

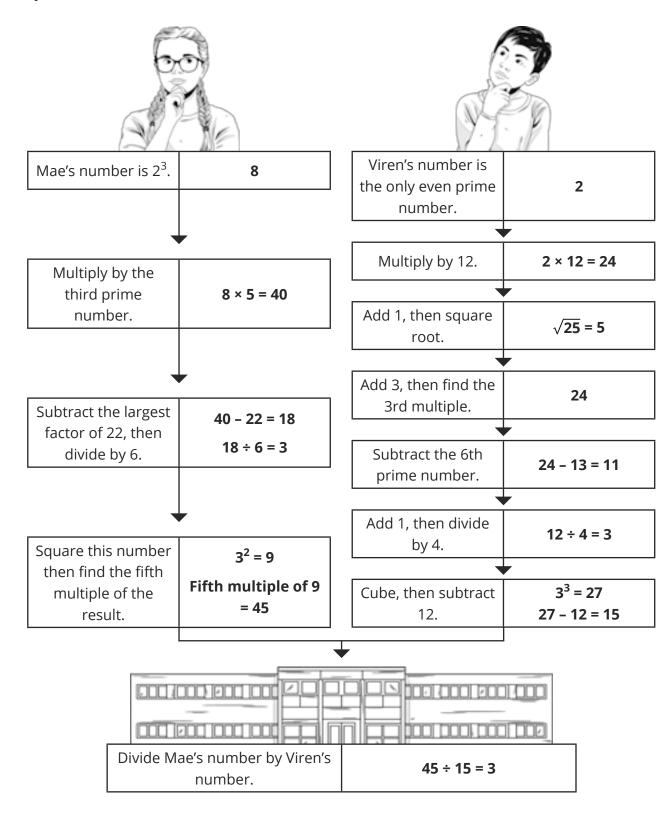
Think of your own mystery number. Write clues which lead to calculating your mystery number.

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Calculation Course **Answers**

Viren and Mae leave their homes and walk to their new secondary school. They start by thinking of a number and at each step, they perform a calculation on it. What number will they have when they reach their new school?





Fraction Flags **Answers**

Colour each flag, using the given fractions. State the remainder as a fraction in its simplest form.

$\frac{3}{8}$ +	$\frac{1}{4} =$	green
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$$\frac{7}{8} - \frac{12}{16} = \text{yellow}$$

The rest will be blue.

green =
$$\frac{5}{8}$$

yellow =
$$\frac{1}{8}$$

blue =
$$\frac{2}{8} = \frac{1}{4}$$

G	G	G	G
G	Υ	В	В

$$\frac{3}{2} - \frac{3}{4} = \text{red}$$

$$1\frac{1}{2} - 1\frac{3}{8} = \text{yellow}$$

The rest will be white.

$$red = \frac{3}{4}$$

yellow =
$$\frac{1}{8}$$

white =
$$\frac{1}{8}$$

R	R	R	R
R	R	Υ	W

$$\frac{1}{2} \times \frac{3}{5} = \text{red}$$

$$\frac{8}{10} \times \frac{1}{2} = \text{yellow}$$

The rest will be blue.

$$red = \frac{3}{10}$$

yellow =
$$\frac{8}{20}$$
 or $\frac{4}{10}$ or $\frac{2}{5}$

blue =
$$\frac{3}{10}$$

R	R	R	Υ	Υ
Υ	Υ	В	В	В

$$\frac{2}{3} \div 2 = \text{green}$$

$$\frac{3}{4} \div 3 = \text{red}$$

The rest will be yellow.

green =
$$\frac{2}{6}$$
 or $\frac{1}{3}$ or $\frac{4}{12}$

$$red = \frac{3}{12} \text{ or } \frac{1}{4}$$

$$yellow = \frac{5}{12}$$

G	G	G	G	R	R
R	Υ	Υ	Υ	Υ	Υ

$$\frac{4}{5} \div 6 = \text{blue}$$

$$\frac{7}{10} \times \frac{2}{3} = \text{yellow}$$

The rest will be green.

blue =
$$\frac{4}{30}$$
 or $\frac{2}{15}$

yellow =
$$\frac{14}{30}$$
 or $\frac{7}{15}$

green =
$$\frac{6}{15} = \frac{2}{5}$$

В	В	Υ	Υ	Υ
Υ	Υ	Υ	Υ	G
G	G	G	G	G

1st fraction in order = yellow

3rd fraction in order = green

The rest will be red.

yellow =
$$\frac{1}{4}$$
 or $\frac{3}{12}$

green =
$$\frac{5}{12}$$

$$red = \frac{4}{12} \text{ or } \frac{1}{3}$$

Υ	Υ	Υ	G	G	G
G	G	R	R	R	R

Order the fractions from smallest to biggest:



Geometry and Measure Game **Answers**

Question		0
Number	Question	Answer
1	The area of a square with length 5cm.	25cm ²
2	The approximate number of kilometres in 5 miles.	8km
3	The number of millimetres in 5 centimetres.	50
4	The name of an angle less than 90°.	Acute
5	The number of millilitres in 3 litres.	3000ml
6	The volume of a cube with length 5m.	125m ³
7	The perimeter of a square with an area of 4cm ² .	8cm
8	Two angles are on a straight line. One is 50°. What is the other one?	130°
9	The area of a triangle with a base of 6cm and a height of 8cm.	24cm ²
10	The name of a ten-sided polygon.	Decagon
11	The approximate number of kilometres in 15 miles.	24km
12	The value of an angle in an equilateral triangle.	60°
13	A circle has a radius 6cm long. Calculate the length of its diameter.	12cm
14	The name of an angle greater than 90° but less than 180°.	Obtuse
15	The number of centimetres in 2 metres.	200cm
16	The number of kilograms in 2750 grams	2.75kg
17	The number of millilitres in 5.4 litres.	5400ml
18	The number of centimetres in 65 millimetres.	6.5cm
19	The name of a six-sided polygon.	Hexagon
20	The approximate number of miles in 16 kilometres.	10 miles
21	The name of the line passing through the centre a circle from side to side.	Diameter
22	The name of a five-sided polygon.	Pentagon
23	The number of seconds in 1 hour	3600
24	The area of a parallelogram with a base of 10cm and a vertical height of 5cm.	50cm ²
25	The name of the edge of a circle.	Circumference
26	The number of grams in 4 kilograms	4000g
27	The number of seconds in 5 minutes.	300
28	The name of an angle equal to 90°.	Right angle
29	The number of hours in 300 minutes.	5
30	The number of litres in 2500 millilitres.	2.51
31	The number of metres in 3.25 kilometres.	3250m
32	Two angles are on a straight line. One is 135°. What is the other one?	45°
33	The number of sides in a hexagon.	Six
34	The name of an angle greater than 180° but less than 360°.	Reflex
35	The name for any four-sided polygon.	Quadrilateral
36	The name of the line from the centre of a circle to its edge.	Radius