Maths Department

Pre-test Practice Easy 14

Featuring whole numbers, fractions, geometry, areas and volumes, averages
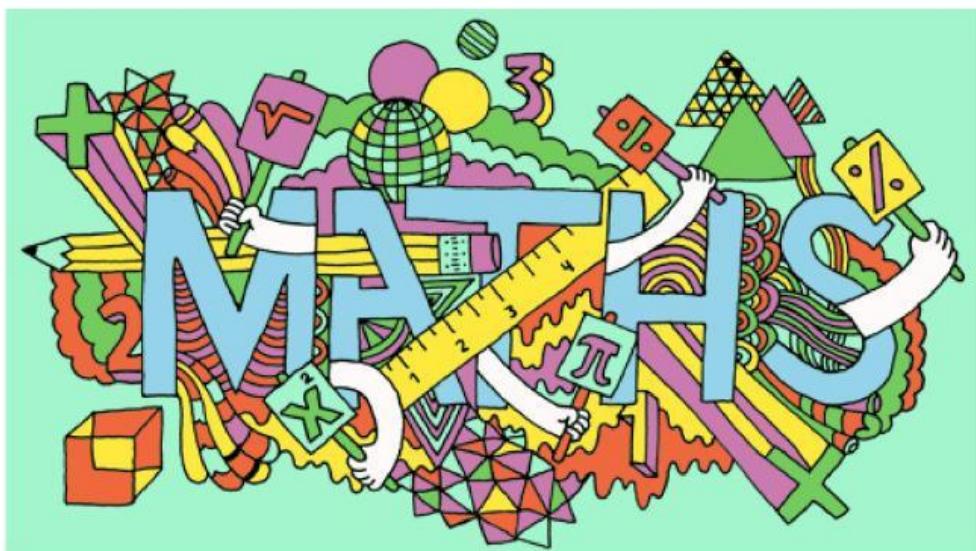
Name:_____

Question 1

Eight books cost £3.95 each. How much do they cost altogether?

£7.90	£32	£29.60	£31.60	£33.60

Question 2

Five boxes cost 49 pence each. What is the total cost of the boxes?

£2.45	£24.50	£2.50	£25.00	£2.49

Question 3

12 pencils cost 98 pence each. What is the total cost?

£11.86	£11.96	£11.76	£11.98	£12.00

Question 4

A container holds 5.5 litres of water. 800 ml is poured away. How much water is left now?

47 litres	4700 ml	4800 ml	805 litres	4.5 litres

Question 5

From an 8.5 tonne pile of sand, 1200 kg is removed. How much sand remains?

7.3 tonnes	7.5 tonnes	8.2 tonnes	7 tonnes	6.5 tonnes

Question 6

A length of rope is 8.6 metres long.
150 cm is cut from it. How long is the remaining tape?

710 cm	760 cm	810 cm	141.4 cm	0.7 metres

	Question 7	

Which of the following numbers is equal to $\frac{3}{7}$?

$\frac{3}{14}$	$\frac{6}{7}$	$\frac{6}{14}$	$\frac{9}{28}$	$\frac{30}{77}$

Question 8

Which of the following numbers is equal to $\frac{7}{10}$?

$\frac{4}{11}$	10.7	7.10	0.7	$\frac{7}{40}$

Question 9

Which of the following numbers is equal to $\frac{3}{4}$?

0.34	0.75	$\frac{4}{10}$	25%	3.4

Question 10
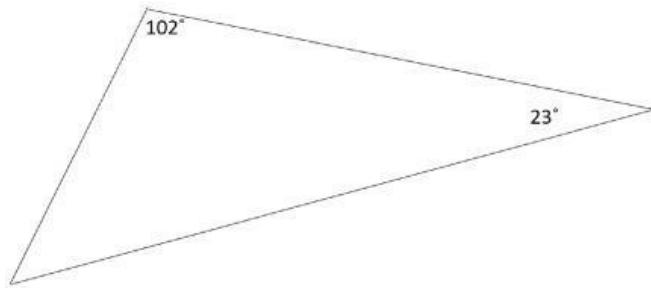
What is the size of the third angle?

45˚	75˚	125˚	65˚	55˚

Question 11
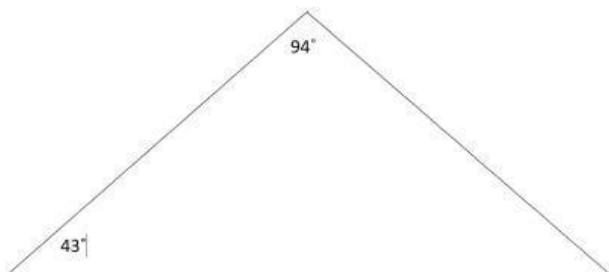
What is the size of the third angle?

43˚	137˚	53˚	127˚	94˚

## Question 12
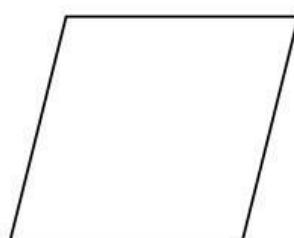
What is the **order of rotational symmetry** of a rhombus? (*How many times will it spin on to itself in one rotation?*)

0	1	2	4	8

Question 13

How many *lines of symmetry* does a parallelogram have?

0	1	2	4	5

Question 14

Which of these shapes is the odd one out?

trapezium	square	rhombus	pentagon	kite

Question 15

10cm

5 cm
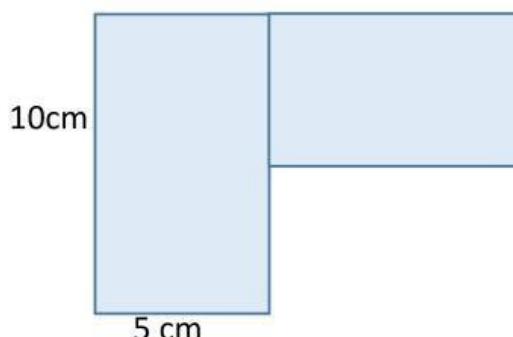
The shaded area is made of two identical blocks. What is the **perimeter** of the shaded shape?

| 50 cm	50 cm^2	100 cm^2	100 cm	15 cm

Question 16

The **area** of the rectangle is 100 cm². The length of the rectangle is 25 cm. What is the height of the rectangle?

25 cm
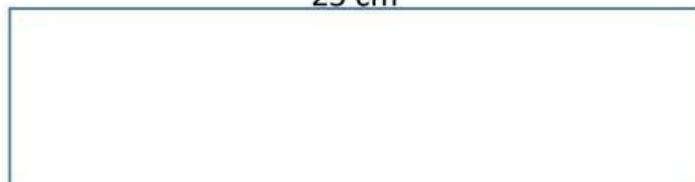
2500 cm²	4 cm	4 cm²	164 cm²	254 cm²

Question 17

The area of a school desk is measured.
Which is the *most likely* area?

12.4 m²	2400 m²	24 m²	240,000 m²	1.2 m²

Question 18

Find the mean average of the following three numbers:

17   15   13

5	14	3	16	15

Question 19

Find the mean average of the following four lengths:

7 cm   19 cm   11 cm   11 cm

12	5	6	4	10

Question 20

Find the mean average of the following five temperatures:

21°   14°   13°   12°   20°

10°	80°	16°	20°	8°