

Entry Test B

Name:		
Class/Set:	Date:	

1 $200 - 96 =$

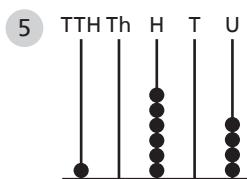
Answer

2 Increase 250 by $\frac{1}{3}$ of 90.

3 £50.00 – five 5ps =

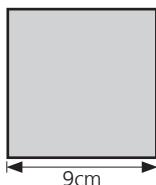
£

4 $5.07 \times 100 =$



Write the number shown on the abacus in words.

6 Find



a the perimeter of this square
b its area.

a _____ cm

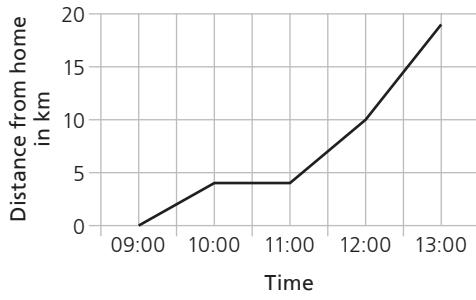
b _____ cm²

7 $474\,563 + 403\,003 =$

8 Which year is represented by the Roman numerals MCMLXXXVII?

9 Hannah left home at 09:00. She stopped for coffee at a café. How far from home was the café? _____ km

Hannah's journey

10 A jug when $\frac{3}{4}$ full holds 600ml.

How many millilitres does it hold when it is $\frac{1}{8}$ full?

ml

11 Find the two missing numbers in the sequence.

80, 8, _____, 0.08, _____

12 How many hours and minutes from time X to time Y?



X



Y

Answer

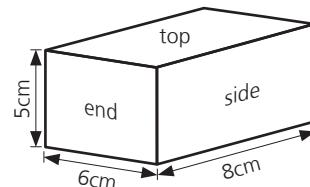
h min

13 $5l \div 4 =$ _____ ml

ml

14 The measurements of the box are given. Find the area of

a both the sides
b both the ends
c the top and bottom.

a _____ cm²b _____ cm²c _____ cm²

15 How many degrees in one-eighth of a full turn?

°

16 Increase £8.50 by 10%.

£

17 Which of these are equivalent to 80%?

$\frac{8}{10}$ 0.75 0.08 $\frac{1}{8}$ $\frac{4}{5}$ 0.8

18 $0.07 \times 8 =$

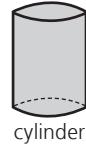
19 Which of these shapes will have a circular face when cut horizontally and a triangular face when cut vertically?



sphere



cone



cylinder

20 Change this improper fraction to a mixed number. $\frac{27}{8}$

21 What percentage of 24p is 6p?

%

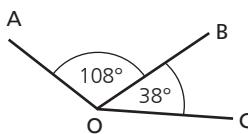
22 $102 - 87 =$

Answer

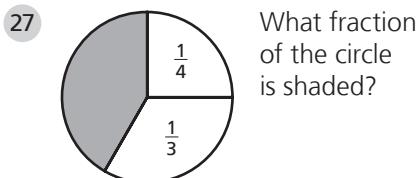
23 $16 - 6 \times 2 + 8 \div 2 =$ _____

24 $\frac{\text{£}14.63}{7} =$ _____

25 Calculate the reflex angle AOC.

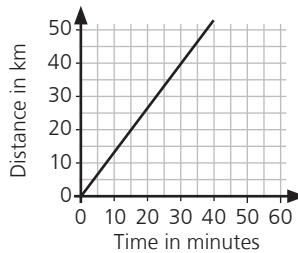


26 Harry missed the 08:48 train by 10min. How long did he have to wait for the next train at 10:25?



28 $\frac{3}{10} \times \frac{1}{2} =$ _____

29 The graph shows the speed of a car. Use the graph to find the time taken by the car to travel 20km.

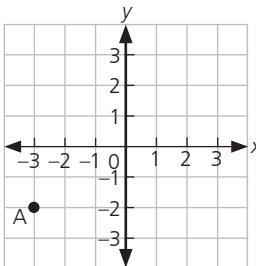


30 Change 5.2m to millimetres.

31 $252 \div 28 =$ _____

32 The diameter of a circle is 4cm. Its circumference is 3.14 times this length. What is the perimeter of the semicircle?

33 Divide £135 in the ratio of 5:4.

34 Point A is at $(-3, -2)$. Write the coordinates of its reflection in the y -axis.

35 A coat costing £45 is reduced by 20%. How much do I pay?

Answer

£ _____

_____ °

h min

min

mm

cm

(_____, ____)

£ _____

36 What is the length in millimetres when an 11.5cm line is enlarged by a scale factor of 6?

mm

37 How many thousandths in $\frac{1}{2}$ of 0.01?

38 $\frac{6}{7} \div 4 =$ _____

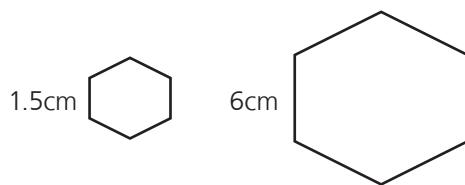
39 $1\frac{3}{8} + \frac{2}{5} =$ _____

40 Find the circumference of a wheel of radius 3cm.

$\pi = 3.14$

cm

41 These two hexagons are similar. What is the scale factor of enlargement?



42 What is half of 3.75?

43 Arrange in descending order.

$\frac{3}{4} \quad \frac{4}{5} \quad \frac{2}{3} \quad \frac{1}{2} \quad \frac{5}{8}$

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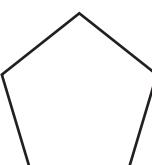
44 London
45
39
44
36
43

This table shows the number of millimetres of rain each week for 5 weeks. What is the mean rainfall to the nearest millimetre?

mm

45 Express 70 as the product of three prime numbers.

46 If $m = 7$, $n = 5$, evaluate $(m+n) \times (m-n)$.

47 
What is the order of rotational symmetry of a regular pentagon about its centre?

48 A train goes at 78kph for 20min. How far does it travel?

km

49 True or false? $7 < \sqrt{80} < 8$

50 Write 24×25 as a number.
