

# Entry Test B

Name: _____	Date: _____
Class/Set: _____	

1  $200 - 96 =$  \_\_\_\_\_

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

3 £50.00 – five 5ps = \_\_\_\_\_ £

4  $5.07 \times 100 =$  \_\_\_\_\_

5

TTH	Th	H	T	U
●	●	●●●●	●	●●●

Write the number shown on the abacus in words.

\_\_\_\_\_

6

Find

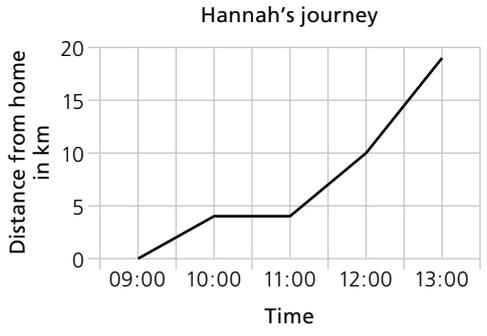
a the perimeter of this square      a \_\_\_\_\_ cm

b its area.      b \_\_\_\_\_ cm<sup>2</sup>

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



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, ■ \_\_\_\_\_

## Answer

12 How many hours and minutes from time X to time Y? \_\_\_\_\_ h \_\_\_\_\_ min



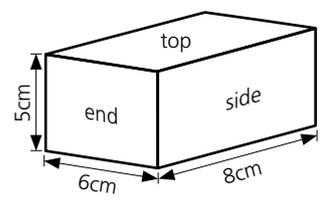
13  $5l \div 4 =$  ■ ml \_\_\_\_\_ ml

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

a both the sides      a \_\_\_\_\_ cm<sup>2</sup>

b both the ends      b \_\_\_\_\_ cm<sup>2</sup>

c the top and bottom.      c \_\_\_\_\_ cm<sup>2</sup>



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

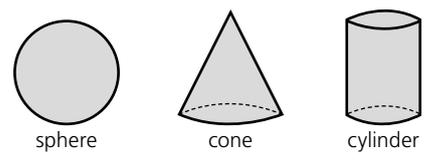
16 Increase £8.50 by 10%. \_\_\_\_\_ £

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? \_\_\_\_\_



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

21 What percentage of 24p is 6p? \_\_\_\_\_ %

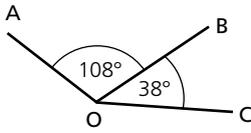
22  $102 - 87 =$  \_\_\_\_\_

## Answer

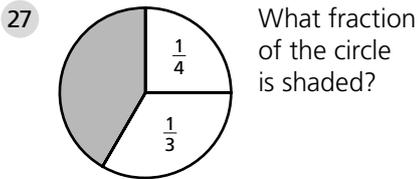
23  $16 - 6 \times 2 + 8 \div 2 =$

24  $\frac{£14.63}{7} =$

25 Calculate the reflex angle AOC.

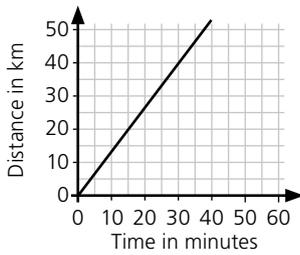


26 Harry missed the 08:48 train by 10min. How long did he have to wait for the next train at 10:25?



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.



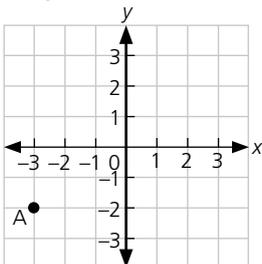
30 Change 5.2m to millimetres.

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**

£

o

h min

min

mm

cm

( , )

£

**Answer**

mm

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

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

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

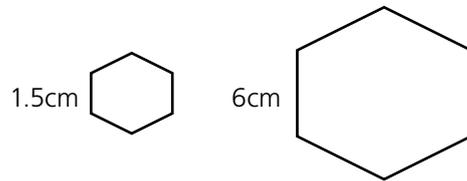
39  $1\frac{3}{8} + \frac{2}{5} =$

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.

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

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  $24 \times 25$  as a number.