



# Section 2 Test 10

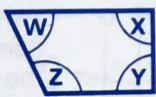
## A ANSWER

- 1  $3050 - 100$  2950
- 2  $5 \times 8 = 10 \times \square$  4
- 3  $\pounds 1.25 + \pounds 0.80$  \pounds 2.05
- 4  $2300 \text{ ml} = \square \text{ litres } \square \text{ ml}$  2 l 300 ml
- 5  $93 \text{ cm} = \square \text{ mm}$  930 mm
- 6  $54 \div 7 = \square \text{ rem. } \square$  7 rem. 5
- 7  $\pounds 2.00 - \square \text{ p} = \pounds 1.59$  41p
- 8  $25 \text{ FIVES} = \pounds \square$  \pounds 1.25
- 9 (a)  $\frac{1}{5}$  of 400  
(b)  $\frac{3}{5}$  of 400 (a) 80 (b) 240
- 10  $(8\text{p} \times 10) + 20\text{p} = \pounds \square$  \pounds 1.00

## B ANSWER

- 1 How many hundreds are there in 1200? 12
- 2 Write 945 cm to the nearest metre. 9 m
- 3 Add 6 to the product of 7 and 7. 55
- 4 Find the sum of 75 and 999. 1074
- 5  $3460 = \square \times 10$  346
- 6 What is the total of  $\pounds 1.45$  and  $\pounds 2.55$ ? \pounds 4.00
- 7 How much change from  $\pounds 5$  after spending  $\pounds 3.85$ ? \pounds 1.15
- 8 How much heavier is  $1\frac{1}{2} \text{ kg}$  than 900 g? 600 g
- 9 Three quarters plus a half. Write the answer in figures. 1  $\frac{1}{4}$
- 10 Add  $\frac{1}{8}$  of 24 to  $\frac{1}{6}$  of 24. 7

## C ANSWER

- 1 Which of the angles in the drawing is  
(a) an acute angle  
(b) an obtuse angle?  (a) W (b) Z
- 2 The value of  $\frac{1}{5}$  of a coin is 10p. What is the value of the coin? 50p
- 3 1300 people attended the school f\^ete. If 800 were adults, how many children were there? 500
- 4 101 tickets costing 5p each were sold. Write the amount taken as \pounds. \pounds 5.05
- 5 

<b>OFFICE HOURS</b>
9.00 a.m. to 11.30 a.m.
2.00 p.m. to 3.30 p.m.

 For how many hours is the office open? 4 h
- 6 What remains after taking 2 kg 200 g from 4 kg? 1 kg 800 g
- 7 How many millimetres are there in one metre? 1000 mm
- 8 10 pieces each  $8\frac{1}{2} \text{ cm}$  long are cut from a metre of ribbon. What is the length of the remaining piece? 15 cm
- 9 

$\frac{2}{3}$	$\frac{4}{8}$	$\frac{3}{7}$
$\frac{3}{4}$	$\frac{4}{6}$	$\frac{5}{10}$

 Two of these fractions each equal one half. Which are they? \frac{4}{8} \frac{5}{10}
- 10 Four transfers cost 9p. How many transfers can be bought for 45p? 20

# Section 2 Test 12

## A ANSWER

- 1  $290 \text{ cm} =$  \_\_\_\_\_ m 2.9 m
- 2  $(82 - 4) + (18 - 9)$  \_\_\_\_\_ 87
- 3  $(17 \times 3) + 6$  \_\_\_\_\_ 57
- 4  $\frac{28}{4} =$  \_\_\_\_\_ whole ones 7
- 5 1 article costs £0.07.  
100 articles cost £ \_\_\_\_\_ £ 7.00
- 6  $346 + 78$  \_\_\_\_\_ 424
- 7  $\frac{1}{10}$  of 9 km = \_\_\_\_\_ m 900 m
- 8  $5 \overline{)£10.10}$  \_\_\_\_\_ £ 2.02
- 9  $£2.00 - 25 \text{ FIVES}$  \_\_\_\_\_ 75p
- 10  $10^2 - 9^2$  \_\_\_\_\_ 19
- 11 Write £8.84 (a) to the nearest 10p \_\_\_\_\_ (a) £ 8.80  
(b) to the nearest £. \_\_\_\_\_ (b) £ 9.00
- 12  $£10.00 \div 8$  \_\_\_\_\_ £ 1.25

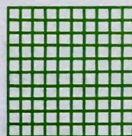
## B ANSWER

- 1 Write as l and ml  
(a) 3457 ml \_\_\_\_\_ (a) 3 l 457 ml  
(b) 4070 ml. \_\_\_\_\_ (b) 4 l 70 ml
- 2 Find the difference between  
 $(15 + 15 + 15)$  and  $(4 \times 15)$ . \_\_\_\_\_ 15
- 3 52 plus 70 minus 32 \_\_\_\_\_ 90
- 4 Divide the total of 29 and 27 by 8. \_\_\_\_\_ 7
- 5 Subtract 6 times 14p from £1. \_\_\_\_\_ 16p
- 6 How much greater is  
7 multiplied by 9 than 7 plus 9? \_\_\_\_\_ 47
- 7 Find in cm the perimeter of a  
triangle having equal sides  
each measuring 48 mm. \_\_\_\_\_ 14.4 cm
- 8 How many h and min from  
11.40 to 18.10? \_\_\_\_\_ 6 h 30 min
- 9 Write as a decimal fraction (a)  $\frac{1}{4}$  \_\_\_\_\_ (a) 0.25  
(b)  $\frac{3}{4}$ . \_\_\_\_\_ (b) 0.75
- 10 

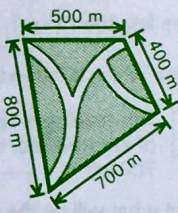
0.3	0.15	0.09	1.1	0.99
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Add the smallest of these decimals  
to the largest. \_\_\_\_\_ 1.19
- 11 If 10 cost £2.70, what is the  
cost of 1? \_\_\_\_\_ 27p
- 12 Find the cost of 300 g if  $\frac{1}{2}$  kg  
costs 30p. \_\_\_\_\_ 18p

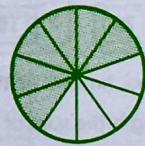
## C ANSWER

- 1  How many small  
squares are there in  
 $\frac{7}{10}$  of this diagram? \_\_\_\_\_ 70
- 2 

765	884	670
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Which of these numbers will divide  
by 2, 5 and 10 without a remainder? \_\_\_\_\_ 670
- 3 By putting in a decimal point make  
(a) the 5 in 2056 equal to 5 tenths \_\_\_\_\_ (a) 20.56  
(b) the 7 in 1870 equal to 7  
hundredths. \_\_\_\_\_ (b) 1.870
- 4 A 1p coin has a mass of 3.56 grams.  
Find the mass of (a) 100 coins \_\_\_\_\_ (a) 356 g  
(b) 50 coins. \_\_\_\_\_ (b) 178 g
- 5  $\frac{5}{8}$  of a sum of money is £1.10.  
What is the whole amount? \_\_\_\_\_ £ 1.76
- 6 How many bottles each holding  
150 ml can be filled from a can  
holding  $1\frac{1}{2}$  l? \_\_\_\_\_ 10
- 7  This is a sketch  
map of a park.  
What is the  
perimeter of the  
park in km? \_\_\_\_\_ 2.4 km
- 8 

£3.73	£3.54	£3.37	£3.36	£3.63
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Which two of these amounts when  
added together equal £7? \_\_\_\_\_ £ 3.37  
\_\_\_\_\_ £ 3.63
- 9 Sophie and Olivia shared 60p so that  
Olivia had 10p more than Sophie.  
How much did Sophie have? \_\_\_\_\_ 25p
- 10  Write as a decimal  
fraction the part of  
the circle which is  
(a) shaded \_\_\_\_\_ (a) 0.6  
(b) unshaded. \_\_\_\_\_ (b) 0.4
- 11 The length of a steel rod is 1.75 m.  
Write the length of a rod 4 times as long. \_\_\_\_\_ 7 m
- 12 

PET FOOD
LARGE TINS (340 g) 67p EACH SMALL TINS (170 g) 10 for £3.50

  
How much is saved when buying  
10 large tins rather than 20 small tins? \_\_\_\_\_ 30p

**Next work Progress Test 2 on page 30.**  
**Enter the result and the date on the chart.**

# Section 3 Test 3

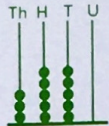
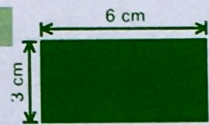
## A ANSWER


- 1  $9999 + 9$  10 008
- 2  $25 + 26 = 11 +$  40
- 3  $368 \text{ cm} =$  3.68 m
- 4  $£1.17 \times 7$  £ 8.19
- 5  $p \times 10 = £1.40$  14p
- 6  $\frac{1}{2} + \frac{1}{8}$   $\frac{5}{8}$
- 7  $6 \overline{) £4.02}$  £ 0.67
- 8  $5.7 \ell =$  5700 ml
- 9  $4 \text{ weeks} =$  28 days
- 10  $3.21 \times 100$  321
- 11  $\quad \times 7 = 37 - 9$  4
- 12  $1.7 \text{ cm} + 4.5 \text{ cm} =$  62 mm

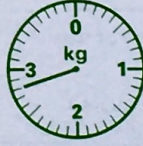
## B ANSWER

- 1  $£1.84 \times 10$ . Write the answer to the nearest £. £ 18
- 2 Take two hundred from 22 222. 22 022
- 3 Write 600 m as a decimal fraction of 1 km. 0.6 km
- 4 How many times larger is £2.50 than 25p? 10
- 5 Divide 912 by 4. 228
- 6 Write as a decimal fraction the difference between 0.1 and a half. 0.4
- 7 How many days altogether in April and May? 61
- 8 Write the next two numbers in this series. 8.0, 8.5, 9.0, 9.5, 10.0, 10.5
- 9 By how many cm is  $\frac{1}{10}$  m longer than  $\frac{1}{100}$  m? 9 cm
- 10 200 ml cost 15p. Find the cost of 1 ℓ. 75p
- 11 Find the difference in g between 1.7 kg and 2.5 kg. 800 g
- 12 Write the missing signs +, -, × or ÷ in place of ● and ▲.  
 $6 \bullet 3 = 9 \blacktriangle 9$  ● ×  
▲ +

## C ANSWER

- 1  How many must be added to the number shown on the abacus picture to make four thousand? 450
- 2 How long will it take a truck travelling at an average speed of 60 km/h to travel a distance of 360 km? 6 h
- 3 How many right angles are equal to the sum of the three angles of a triangle? 2
- 4 Katie wrote an answer of £0.60 instead of £0.06. By how many pence was her answer wrong? 54p
- 5  Find (a) the area (b) the perimeter of the rectangle. In each case give the unit of measurement. (a) 18 cm<sup>2</sup>  
(b) 18 cm
- 6 In a school dining room there were 25 tables each set with 6 places. 11 of the places were not used. How many stayed for dinner? 139

- 7  The diagram shows the time a boy spends at home and at school. What fraction of his time does he spend (a) at home (b) at school? (a)  $\frac{7}{12}$  (b)  $\frac{5}{12}$
- 8 In James' money box there were 30 TWENTIES and twice as many TENS. How much was that altogether? £ 12

- 9  Write the mass shown by the pointer (a) in kg and g (a) 2 kg 800 g  
(b) in kg as a decimal. (b) 2.8 kg

- 10 In a school of 57 children, there is a small class of 9 children and two classes of equal numbers. How many children are there in each of the larger classes? 24
- 11 How many ml more does a can containing 2.5 ℓ hold than the total contents of two cans each holding 850 ml? 800 ml

- 12 

SWEETS	12p each or 10 for £1.10
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 How much is saved on each sweet by buying 10 at a time? 1p

# Section 2 Test 9

## A ANSWER


- 1 Write in figures one hundred and four thousand. 104 000
- 2  $£1 \cdot 11 + 8p + 9p + 24p$  £ 1·52
- 3  $0.35 = \square$  thousandths 350 thousandths
- 4  $2.8 \text{ litres} - 630 \text{ ml}$  2 l 170 ml
- 5  $350 \text{ g} \times 5 = \square$  kg 1.75 kg
- 6  $\frac{57}{100}$  of £500 £ 285
- 7  $7 \text{ m } 28 \text{ cm} \div 8 = \square$  cm 91 cm
- 8  $297 + 103 = 40 \times \square$  10
- 9  $1 - (\frac{3}{10} + \frac{2}{5})$   $\frac{3}{10}$
- 10  $8 \times 7 = \square \times 0.1$  560
- 11  $£ \frac{14 \cdot 42}{7} = £ \square$  £ 2·06
- 12 (a)  $\frac{1}{4} = 0.25 = \square$  % (a) 25%  
 (b)  $\frac{3}{4} = 0.75 = \square$  % (b) 75%

## B ANSWER

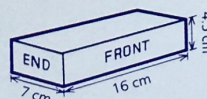
- 1 Write as decimal fractions (a)  $\frac{3}{20}$  (a) 0.15  
 (b)  $\frac{8}{25}$  (b) 0.32
- 2 What is the difference in g between  $1\frac{3}{4}$  kg and 950 g? 800 g
- 3 What length when divided by 6 is equal to 2 m 50 cm? 15 m
- 4 The three angles of a triangle each measure  $60^\circ$ . Name the triangle according to (a) its angles (a) acute-angled  
 (b) its sides. (b) equilateral
- 5 Find the value of  
 (a) 50% of 650 (a) 325  
 (b) 25% of £0·72. (b) 18p
- 6 How many times is 200 ml contained in 2.8 litres? 14
- 7 Approximate to the nearest cm  
 (a) 20.3 cm (a) 20 cm  
 (b) 79 mm. (b) 8 cm
- 8 Write in its lowest terms the vulgar fraction which is equal to 75%.  $\frac{3}{4}$
- 9 Find the length in m which is equal to the figures underlined.  $6.\underline{5}35$  km 35 m
- 10 At 75p per  $\frac{1}{2}$  kg find the cost of  
 (a) 100 g (a) 15p  
 (b) 300 g. (b) 45p
- 11 Find in cm the perimeter of a rectangle which is 65 mm long and 30 mm wide. 19 cm
- 12 (a)  $0.1 = \square$  % (a) 10%  
 (b)  $0.4 = \square$  % (b) 40%

## C ANSWER

- 1 18% of the people at a concert were men, 39% were women and the rest were children. What percentage were children? 43%
- 2 Katie went on holiday on 29th July and returned on 7th August. For how many days was she on holiday? 10
- 3 Josh saved  $\frac{1}{4}$  of his pocket money and spent  $\frac{1}{2}$  of the remainder. What fraction did he spend?  $\frac{3}{8}$
- 4 The population of a small town was ten thousand. 30% of the people were under the age of 25. How many was that? 3000

- 5  What is the length in cm of the longest straight line which can be drawn in this circle? 10.8 cm

- 6 50% of a sum of money was £7·00. Find (a) the whole sum of money (a) £ 14  
 (b) 75% of all the money. (b) £ 10·50
- 7 How many packets each containing 0.2 kg can be made from 35 kg? 175
- 8 A fruit drink contains 7 parts of water and 1 part of juice. How many ml of each are required to make 2 litres? 1750 ml 250 ml
- 9 A boy's walking pace measures 60 cm. How many m has he walked after taking 50 paces? 30 m
- 10 The mass of 120 kg of dry sand is increased when wet by 10%. Find its mass when wet. 132 kg
- 11 An article costing £25 is reduced by  $\frac{1}{20}$  for cash payment. Find (a) the price reduction (a) £ 1·25  
 (b) the cash payment price. (b) £ 23·75

- 12  Find the area of  
 (a) the front (a) 72 cm<sup>2</sup>  
 (b) the end (b) 31.5 cm<sup>2</sup>  
 (c) the bottom of the box. (c) 112 cm<sup>2</sup>