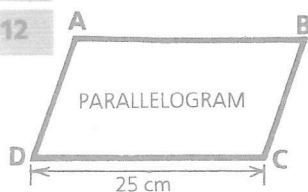


Section 1 Test 11

A		ANSWER
1	(a) $2^5 = 2 \times 2 \times 2 \times 2 \times 2 =$ (b) $10^5 =$	(a) <u>32</u> (b) <u>100 000</u>
2	5 FIVES + 7 TENS - 9 TWOS =	<u>77p</u>
3	$(73 + 9) = 150 -$	<u>68</u>
4	$10.085 \text{ km} =$ m	<u>10 085 m</u>
5	$\frac{y}{100} = 10.64$ Find the value of y.	<u>1064</u>
6	$6.358 = 63 \text{ tenths}$ + thousandths	<u>58 thousandths</u>
7	$550 \text{ g} \times 6 =$ kg	<u>3.3 kg</u>
8	$\pounds 36.5 \div 10 = \pounds$	<u>\pounds 3.65</u>
9	$75^\circ + 65^\circ + 90^\circ +$ ° = 360°	<u>130^\circ</u>
10	$\frac{3}{10}$ of 0.3 m = cm	<u>9 cm</u>
11	8% of $\pounds 3.00$	<u>24p</u>
12	$17.2 \div 20$	<u>0.86</u>

B		ANSWER
1	Write these improper fractions as mixed numbers. (a) $\frac{74}{5}$ (b) $\frac{39}{7}$	(a) <u>$14\frac{4}{5}$</u> (b) <u>$5\frac{4}{7}$</u>
2	Find in ℓ the total of 830 ml, 360 ml and 170 ml.	<u>1.360 ℓ</u>
3	3.03 3.33 3.3 3.333	
	Of these numbers which is (a) the greatest (b) the smallest?	(a) <u>3.333</u> (b) <u>3.03</u>
4	Increase $\pounds 370$ by 10%.	<u>\pounds 407</u>
5	Write as a fraction in its lowest terms (a) 15 mm of 15 cm (b) 25 min of 1 h.	(a) <u>$\frac{1}{10}$</u> (b) <u>$\frac{5}{12}$</u>
6	Find the difference between 0.394 and 0.4.	<u>0.006</u>
7	Which of these numbers are multiples of both 5 and 8? 16, 25, 40, 64, 90, 120	<u>40, 120</u>
8	$\frac{3}{8}$ of a sum of money is 45p. Find $\frac{1}{2}$ of the sum of money.	<u>60p</u>
9	Find to the nearest cm one seventh of $6\frac{1}{4}$ m.	<u>89 cm</u>
10	What sum of money is 200% of $\pounds 170$?	<u>\pounds 340</u>
11	Find the cost of 2.5 kg at 74p per 500 g.	<u>\pounds 3.70</u>
12	The perimeter of this parallelogram is 72 cm. Find the length of the sides AD and BC.	<u>11 cm</u>



C		ANSWER
1	By how many is $(10^3 + 16)$ greater than $(10^2 + 16)$?	<u>900</u>
2	George's date of birth is 27th Nov. '04. How old will he be in years and months on 1st Sept. 2020	<u>15 years 9 months</u>
3	Sophie received a gift of $\pounds 16$. She saved 90% of the money and spent the rest. (a) What percentage did she spend? (b) How much did she save?	(a) <u>10%</u> (b) <u>\pounds 14.40</u>
4	<div style="flex: 1;"> </div> <div style="flex: 2;"> <p>Each of the equal angles in this isosceles triangle is twice the size of the third angle. Find the size of (a) the third angle (b) the equal angles at the base.</p> </div>	(a) <u>36°</u> (b) <u>72°</u>
5	A line 10 cm long is drawn to represent a distance of 3 km. To what scale is the line drawn?	<u>1 cm to 300 m</u>
6	<div style="border: 1px solid black; padding: 5px; margin-right: 10px; text-align: center;"> POTATOES $\pounds 1.40$ for a 3-kg bag or 24p per $\frac{1}{2}$ kg </div> <div> How much money is saved by buying 6 kg potatoes in bags? </div>	<u>8p</u>
7	A rectangular plot of ground measures 19.7 m long and 13.4 m wide. 'Round off' each measurement to the nearest m and then find the approximate area of the plot.	<u>260 m^2</u>
8	Which of these shapes have two axes of symmetry?	<u>B, E</u>
9	There were three candidates A, B and C in an election. Of the total votes, A polled $\frac{1}{4}$, B polled $\frac{1}{6}$ and C polled $\frac{1}{3}$. (a) Which candidate won the election? (b) What fraction of the electors did not vote?	(a) <u>C</u> (b) <u>$\frac{1}{4}$</u>
10	The bottom of a rectangular tank measures 20 cm long and 10 cm wide. If 1 litre of water is poured into it, how deep is the water?	<u>5 cm</u>
11	The price of a pen was increased from 30p to 36p. Find the increase as a percentage.	<u>20%</u>
12	Find the greatest number of circles each with a diameter of 10 cm which can be marked out on a rectangular sheet of card 60 cm by 50 cm.	<u>30</u>