Section 2 Test 6

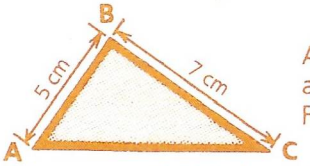
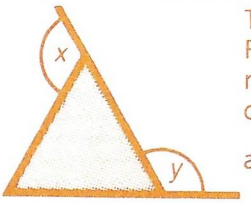
A

		ANSWER
1	470 − 383	
2	250 g × 20 = kg	kg
3	765 ÷ 25 = rem.	rem.
4	$2\frac{5}{8} + \frac{3}{4}$	
5	1 ÷ 0.2	
6	4 m − mm = 3.180 m	mm
7	30 × 1.6	
8	From 7.19 a.m. to 8.15 a.m. = min	min
9	175 mℓ × 4 = 1 ℓ − mℓ	mℓ
10	3y + 4 = 25 Find the value of y.	
11	(a) 8.5% of £100	(a) £
	(b) $12\frac{1}{2}$ % of £10	(b) £
12	£2·63 × 4	£

B

		ANSWER
1	0.099 0.9 0.909 0.09 Add together the largest and the smallest of these numbers.	
2	What percentage is (a) 9 of 18	(a) %
	(b) 18 of 9?	(b) %
3	Write in figures the number which is ten thousand more than a million.	
4	£2·57 plus £1·36 minus 24p = £	£
5	Write 20 thirds as (a) an improper fraction	(a)
	(b) a mixed number.	(b)
6	Find the area of a parallelogram of base 24.4 cm and height 50 cm.	
7	$\frac{1}{9}$ of 70. Write the answer to the nearest whole one.	
8	50 g cost 65p. Find the cost of $\frac{1}{4}$ kg.	£
9	How many 650-g packets can be made from 65 kg?	
10	Write as a decimal fraction (a) $\frac{9}{50}$	(a)
	(b) $\frac{3}{20}$	(b)
	(c) $\frac{3}{25}$.	(c)
11	Find the difference in g between 1% of 19 kg and 1% of 20 kg.	g
12	Increase £2·00 by 16%.	£

C

		ANSWER
1	To rent a video recorder costs £150 per year. How much is this per month?	£
2	 ABC is a right-angled triangle. Find its area.	
3	Mr Jones paid 30% deposit on a carpet costing £150. How much more money had he to pay?	£
4	A $2\frac{1}{2}$-ℓ container is $\frac{7}{10}$ full. What decimal fraction of 1 ℓ is required to fill it?	ℓ
5	A Scout group walked West for 5 km, North for 5 km and then East for 5 km. In which direction must they walk to get back to base by the shortest distance?	
6	<table><tr><td>BROTON</td><td>CANT</td><td>WITTON</td></tr><tr><td>19.17</td><td>21.14</td><td>23.56</td></tr></table> From this bus timetable find the time taken from	
	(a) Broton to Cant	(a) h min
	(b) Cant to Witton	(b) h min
	(c) Broton to Witton.	(c) h min
7	A new pane of glass is to be fitted into this square window. (a) In how many different ways will it fit without the glass being turned over?	(a)
	 (b) How many lines of symmetry has a square?	(b)
8	$\left\{\frac{3}{5}\ \frac{6}{10}\ \frac{x}{15}\ \frac{12}{20}\ \frac{y}{25}\ \frac{z}{30}\right\}$ Find the missing numerators x, y and z in this set of equivalent fractions.	x y z
9	 The triangle is equilateral. Find in degrees the measurement of ∠ x and ∠ y.	∠ x ° ∠ y °
10	A car averaged 8 km to a litre of petrol on a 4-hour journey of 312 km. (a) How many litres were used on the journey?	(a) ℓ
	(b) What was the average speed?	(b) km/h
11	 (π = 3.14) The radius of the wheel is 25 cm. How far, in cm, will it travel in one complete turn?	cm
12	'Round-off' the sum of money to the nearest £ and then find an approximate answer. (a) £19·87 × 19	(a) £
	(b) £126·24 ÷ 9	(b) £