SECTION 2 | Test 5

A

		Answer
1	36mm + 24mm + 54mm = ▒ cm	11.4cm
2	5l – (480ml × 5) = ▒ l	2.6l
3	▒ g × 100 = 6.5kg	65g
4	1 mile ≈ 1.6km ▒ miles ≈ 48km	30 miles
5	2.750l ÷ 2 =	1.375l
6	60% of £2 = £	£1.20
7	0.97 × 3 =	2.91
8	3h 50min × 6 = ▒ h ▒ min	23h 0min
9	$\frac{1}{2} \times \frac{1}{4}$ =	$\frac{1}{8}$
10	$9^3 - 9$ =	720
11	£30 ÷ 20 =	£1.50
12	£0.50 × 54 =	£27.00

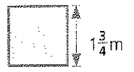
B

		Answer
1	Write in words the number 40400.	forty thousand four hundred
2	Which of these is	
	a a square number	a 36
	b a prime number?	b 37

34	35	36	37	38	39

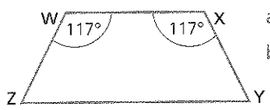
3	Divide £28 in the ratio 4:3.	£16 £12
4	Six toffees cost 90p. Find the cost of five toffees.	75p
5	Approximate	
	a 0.830km to the nearest 100m	a 800m
	b 4.080l to the nearest $\frac{1}{2}$l.	b 4l
6	a How many 8cm lengths can be cut from a 5m length?	a 62
	b How many centimetres are left over?	b 4cm
7	What fraction of 10 is $1\frac{1}{4}$?	$\frac{1}{8}$
8	Write as a decimal fraction.	
	a 19% b $12\frac{1}{2}$%	a 0.19 b 0.125
9	298 seconds = ▒ min ▒ s	4min 58s
10	6 + x + 0.029 = 6.03. Find x.	0.001
11	What number must be added to 0.37 to make 4.57?	4.2
12	Find the missing mass in grams. 5.3 7 0 kg – ▒▒▒ kg = 4.4 9 0 kg	880g

C

		Answer
1	20p is saved each week. How long will it take to save £2.60?	13wk
2	 Find in metres the perimeter of this square.	7m
3	Which of these fractions is equal to a $12\frac{1}{2}$% b $33\frac{1}{3}$%?	a $\frac{1}{8}$ b $\frac{1}{3}$

$\frac{1}{2}$	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{3}$	$\frac{1}{6}$

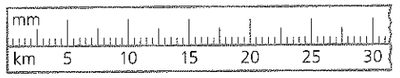
4	Find the difference between 30 × 4p and 30 times 6p.	60p
5	WXYZ is a trapezium. Find in degrees a ∠ XYZ b ∠ YZW.	a 63° b 63°



6	Of the 300 people at a theme park, 99% went on the rollercoaster. How many people was that?	297
7	Tom was allowed an average of 50p per day spending money for four days. Find how much he had to spend on the fourth day.	30p

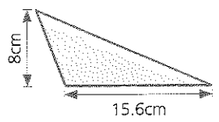
day	1st	2nd	3rd	4th
spent	70p	40p	60p	

8	From Aberdeen to Leicester by road is approximately 700km. Find to the nearest hour the time taken by a truck if its average speed is 60km/h.	12h
9	This scale is taken from a map. Find the distance in kilometres represented by a line on the map measuring 3.5cm.	17.5km



10	An equilateral triangle has a perimeter of 240mm. Find in centimetres a the length of one side b the length of one side of a regular hexagon of the same perimeter.	a 8cm b 4cm
11	From this calendar find a the number of Fridays in the month b the date of the third Sunday in the month.	a 4 b 20th

March					
Mon		7	14	21	28
Tues	1	8	15	22	29
Wed	2	9	16	23	30
Thurs	3	10	17	24	31

12	 Use the formula $A = \frac{bh}{2}$ to find the area of the triangle.	62.4cm²

A

		Answer
1	470 – 383 =	87
2	250g × 20 = ▒ kg	5kg
3	765 ÷ 25 = ▒ r ▒	30 r 15
4	$2\frac{5}{8} + \frac{3}{4}$ =	$3\frac{3}{8}$
5	1 ÷ 0.2 =	5
6	4m – ▒ mm = 3.180m	820mm
7	30 × 1.6 =	48
8	From 7.19 a.m. to 8.15 a.m. = ▒ min	56min
9	175ml × 4 = 1l – ▒ ml	300ml
10	36 – 9 ÷ 3 =	33
11	a 8.5% of £100	a £8.50
	b $12\frac{1}{2}$% of £10	b £1.25
12	£2.63 × 4 =	£10.52

B

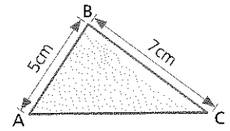
		Answer
1	Add together the largest and the smallest of these numbers.	0.999

0.099	0.9	0.909	0.09

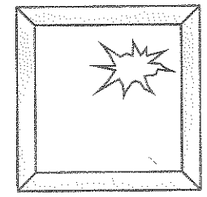
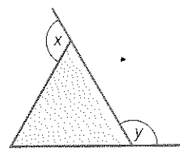
2	What percentage is a 9 of 18 b 18 of 9?	a 50% b 200%
3	Write in digits the number which is ten thousand more than a million.	1010000
4	£2.57 plus £1.36 minus 24p = £	£3.69
5	Write 20 thirds as a an improper fraction b a mixed fraction.	a $\frac{20}{3}$ b $6\frac{2}{3}$
6	Find the area of a parallelogram with a base measuring 17cm and height of 5cm.	85cm²
7	Find $\frac{1}{9}$ of 70. Write the answer to the nearest whole number.	8
8	50g cost 65p. Find the cost of $\frac{1}{4}$kg.	£3.25
9	How many 650g packets can be made from 65kg?	100
10	Write as a decimal fraction. a $\frac{9}{50}$ b $\frac{3}{20}$ c $\frac{3}{25}$	a 0.18 b 0.15 c 0.12
11	Find the difference in grams between 1% of 19kg and 1% of 20kg.	10g
12	Increase £2.00 by 16%.	£2.32

SECTION 2 | Test 6

C

		Answer
1	A television licence costs £150 per year. How much is this per month?	£12.50 ✓
2	 ABC is a right-angled triangle. Find its area.	17.5cm² ✓
3	By how much is the product of $\frac{2}{3}$ and 3 less than the sum of $\frac{2}{3}$ and 3?	$1\frac{2}{3}$
4	A $2\frac{1}{2}$l container is $\frac{7}{10}$ full. What decimal fraction of 1l is required to fill it?	0.75l
5	A plan is drawn to the scale of 1mm to 50cm. What fraction represents the scale?	$\frac{1}{500}$
6	From this bus timetable find the time taken from	

Broton	Cant	Witton
19:17	21:14	23:56

	a Broton to Cant	a 1h 57min
	b Cant to Witton	b 2h 42min
	c Broton to Witton.	c 4h 39min
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 4
	b How many lines of symmetry has a square?	b 4
8	Find the missing numerators x, y and z in this set of equivalent fractions. $\{\frac{3}{5}, \frac{6}{10}, \frac{x}{15}, \frac{12}{20}, \frac{y}{25}, \frac{z}{30}\}$	x 9 y 15 z 18
9	 The triangle is equilateral. Find in degrees the measurement of ∠ x and ∠ y.	∠ x 120° ∠ y 120°
10	Write the value of each: a 16 – 10 ÷ 2 + 1 = b (16 – 10) ÷ (2 + 1) = c (16 – 10) ÷ 2 + 1 =	a 12 b 2 c 4
11	The price of $\frac{1}{2}$kg of carrots was increased from 30p to 36p. Find the increase as a percentage of the original price.	20%
12	Round the sum of money to the nearest £ and then find an approximate answer. a £19.87 × 19 b £126.24 ÷ 9	a £380 b £14