A

		Answer
1	$100 - 28 = 9 \times \square$	
2	$250\,000 = \square$ million	_____ million
3	$18p + 19p + 23p = \text{£}\square$	£ _____
4	$1.2m - 75cm = \square$ cm	_____ cm
5	$450g \times 6 = \square$ kg	_____ kg
6	a 10% of $840 =$	a _____
	b 30% of $840 =$	b _____
7	$\text{£}3.70 \div 8 = \square$ p r $\square$ p	_____ p r _____ p
8	$3\text{min } 50s = \square$ s	_____ s
9	$1 - \frac{3}{4} - \frac{1}{8} =$	_____
10	$3.0 \times 0.8 =$	_____
11	$3.050l + \square$ ml $= 4l$	_____ ml
12	a $0.55 = \square\%$	a _____ %
	b $\frac{1}{25} = \square\%$	b _____ %

B

		Answer
1	Which of these numbers are factors of 54?	
	4 5 6 7 8 9	_____
2	How many 5ps are there in £3.65?	_____ 5ps
3	What is the average of 200ml, 250ml, 150ml and 120ml?	_____ ml
4	Write each of these scores as a percentage.	
	a 5 out of 25	a _____ %
	b 16 out of 50	b _____ %
5	How many metres are there in 1.65km?	_____ m
6	Increase £50 by 25%.	£ _____
7	How many hours and minutes from 10.40 a.m. to 12.50 p.m.?	_____ h _____ min
8	$\frac{7}{10}$ of 5m = 350cm. Find $\frac{3}{10}$ of 5m.	_____ cm
9	How many hundredths are there in three point zero four?	_____ hundredths
10	200g cost 38p. Find the cost of $\frac{1}{2}$ kg.	_____ p
11	$635 \div 7$. Write the answer to the nearest whole number.	_____

12

In this right-angled triangle, what is the size in degrees of the angle marked A? _____ °

C
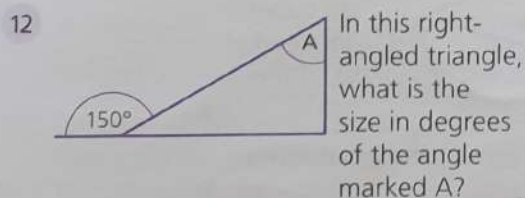
		Answer
1	Find the difference between the sum of 6 and 7 and the product of 6 and 7.	_____
2	Which of these fractions are equivalent to 30%?	
	$\frac{3}{5}$ 0.03 $\frac{3}{10}$ $\frac{20}{50}$ 0.3	_____
3	Caitlin has 25p and Billy has 41p. How much must Billy give to Caitlin so that they have equal amounts?	_____ p
4	A jug when $\frac{3}{4}$ full holds 720ml. How many millilitres does it hold when it is	
	a $\frac{1}{8}$ full	a _____ ml
	b $\frac{3}{8}$ full?	b _____ ml
5	A train journey takes 1h 38min. If the train departs at 11:30 at what time does it arrive?	_____
6	Oliver faces SW. In which direction is he facing if he turns	
	a 90° clockwise	a _____
	b 45° anticlockwise?	b _____

7

a Find the area of one face. a _____

b Find the area of all the faces of the cube. b _____

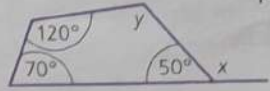|		
8	A customer paid 84p for 300g of grapes. Find the price for $\frac{1}{2}$ kg.	£ _____
9	Which of the following numbers do not change in value if the zeros are omitted?	
	0.158 0350 0.590 1.506	_____
10	The perimeter of a rectangle is 54cm. Its length is 18cm. Find	
	a its width	a _____
	b its area.	b _____
11	Find the smallest number which must be added to 403 to make it exactly divisible by 8.	_____
12	What is the distance in cm from Y to Z?	_____ cm

A · Answer

1. Write as a decimal $10 + \frac{8}{100} + \frac{3}{1000}$. _____

2. $3.125l =$ ☐ ml _____ ml

3. $\frac{3}{10}$ of £1.80 = ☐ p _____ p

4. 10% of twenty thousand = _____

5. 38mm + 26mm + 40mm = ☐ cm _____ cm

6. $10^2 - 4^3 =$ _____

7. $0.02 \times 5 =$ _____

8. $\frac{1}{2}$kg = 135g + ☐ g _____ g

9. $\frac{3}{4}$h − $\frac{2}{3}$h = ☐ min _____ min

10. $47p \times 8 = £$ ☐ £ _____

11. $0.25 +$ ☐ $= 0.365$ _____

12. $\$35 \div 4 =$ $ _____

B · Answer

1. How many hundreds are there in thirty thousand seven hundred? _____

2. 100 pencils cost £5.92. Find the cost of 25 pencils. £ _____

3. By how many degrees does the temperature rise from −10°C to 4°C? _____ °C

4. Which of these numbers are multiples of both 6 and 8?

   | 16 | 24 | 36 | 54 | 72 |

   _____

5. Find the mean of $2\frac{1}{4}$, $1\frac{3}{4}$ and $3\frac{1}{2}$. _____

6. By how many grams is 750g less than 1kg 150g? _____ g

7. Write 35 eighths as

   a an improper fraction _____ a

   b a mixed number. _____ b

8. 20% of a sum of money is 49p. Find 100% of the money. £ _____

9. How many days are there in the seventh month of the year? _____

10. Write as a fraction in its simplest form.

    a 15 out of 40 _____ a

    b 28 out of 32 _____ b

11. Approximate 17.85l to the nearest $\frac{1}{2}$l. _____ l

12. Find in degrees.


    ∠ x _____ °

    ∠ y _____ °

C · Answer

1. The approximate population of a city is forty thousand more than $\frac{1}{2}$ million. What is the approximate population? _____

2. Jessica collected 50p in her money box. She has seventeen 1ps, nine 2ps and some 5ps. How many 5ps has she? _____ 5ps

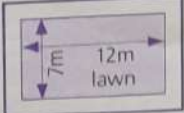3. 480 men, women and children went to a concert. From the diagram find how many

   a men   a _____
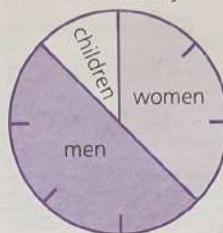
   b women   b _____

   c children c _____

   were at the concert.

4. The perimeter of a regular octagon is 21.6cm. Find in millimetres

   a the length of one side   a _____ mm

   b the length of a side of a regular hexagon of the same perimeter.   b _____ mm

5. The price of a ticket was increased from 50p to 60p. What is the increase

   a as a fraction in its simplest form   a _____

   b as a percentage of the original price?   b _____ %

6. How many packets each containing 300g can be made from 2.5kg? How many grams are left? _____ r _____ g

7. Write using Roman numerals, the answer to LXIV × IX. _____

8. A room is $1\frac{1}{4}$ times as long as it is wide. If the width is 6m find the area of the room. _____ m²

9.

   In the triangle ABC find

   ∠ ABC _____ °

   ∠ BAC _____ °

   ∠ ACB. _____ °
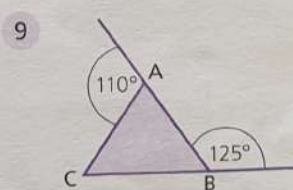
10. Lemonade is made from 3 parts water and 2 parts lemon juice.

    a What percentage of the mixture is water?   a _____ %

    b Find the volume of lemon juice required to make 2l of lemonade.   b _____ ml

11.

    Science Museum
    ADMISSION
    £3.40
    half-price entry for children

    What is the total admission price for two adults and two children?   £ _____

12.

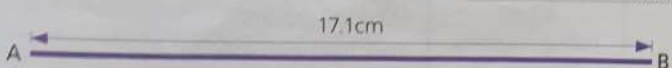   The lawn measures 12m by 7m. The path around it is 1.5m wide. Find the area of the whole garden. _____

A
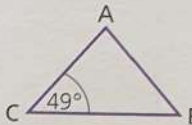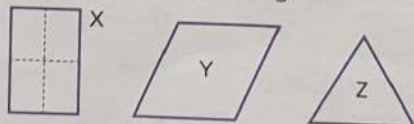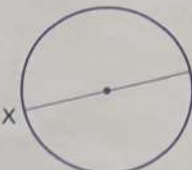
		Answer
1	Write in digits $\frac{1}{10}$ of 1 million.	
2	85g × 100 = ☐ kg	_____ kg
3	1.06 − 0.79 =	
4	480mm = ☐ m	_____ m
5	$\frac{5}{6}$ of 30p =	_____ p
6	905 ÷ 100 =	
7	a 1% of £3.00 = ☐ p	a _____ p
	b 9% of £3.00 = ☐ p	b _____ p
8	£0.04 × 50 =	£ _____
9	$\frac{3}{4}$h + 35min = ☐ h ☐ min	_____ h _____ min
10	2.65l = ☐ ml	_____ ml
11	19p + 7p + 5p + 8p = £ ☐	£ _____
12	$\frac{3}{4}$ × 8 =	

B

		Answer
1	Write as a decimal the sum of 9 tenths and 37 thousandths.	
2	Find the two missing numbers in this sequence. 70, 7, ☐, 0.07, ☐	
3	What is the average of 15cm, $\frac{1}{4}$m and 17cm?	_____ cm
4	Increase £7.50 by 10%.	£ _____
5	By how many twelfths is $1\frac{5}{6}$ less than $2\frac{1}{4}$?	
6	Write in 24-hour clock times.	
	a 18min before noon	a _____
	b $\frac{1}{2}$h after 7.57 p.m.	b _____
7	Find the difference between $\frac{1}{5}$ of 25 and $\frac{1}{3}$ of 45.	
8	5% of a sum of money is £0.40. Find the whole amount.	£ _____
9	Approximate	
	a 10.25l to the nearest litre	a _____ l
	b £439.87 to the nearest £.	b £ _____
10	Find in millimetres the length of a line 15mm shorter than AB.	_____ mm

A ◄————————— 17.1cm —————————► B

11	What is the cost of 800g at 90p per kilogram?	_____ p
12	The area of a rectangle is $66\frac{1}{2}$ cm². The width of the rectangle is 7cm. Find its length.	_____ cm

C

		Answer

1 Write in words the number which is equal to $(3 × 10^3) + (6 × 10^2)$. _____

2 There are 60 cards in a packet. There are 12 packets and 17 cards left over. How many cards are there altogether? _____

3 A bill for £4.23 is paid with a £5 note. Name the four coins given as change.

_____ p _____ p _____ p _____ p

4 ABC is an isosceles triangle. Find the angle at B _____ °
and the angle at A. _____ °

(Triangle with apex A, base angle at C = 49°, and B)

5 How many years apart are these two years written in Roman numerals?
MCMXLV   MCMXXXIX
Give your answer in digits. _____

6 A plank of wood 7.5m long is cut into two parts so that one part is four times as long as the other. Find the length of each part. _____ m _____ m

7

Train times	Depart	Arrive
A	10:45	12:35
B	16:18	18:00

Which train, A or B, is the quicker and by how many minutes? _____ by _____ min

8 The total mass of 12 parcels of equal mass is 5.4kg. Find the mass of
a four parcels in kilograms and grams a _____ kg _____ g
b one parcel in grams. b _____ g

9 The rectangle X has two axes of symmetry. How many axes of symmetry has
a rhombus Y a _____
b the equilateral triangle Z? b _____

(Shapes: rectangle X with dashed symmetry lines, rhombus Y, triangle Z)

10 The circumference of a wheel is 45cm. How many times will it turn in going 450m? _____

11 By how much is it cheaper to pay for a coat priced at £25 with a discount of 10%, than with a discount of 8p per £1? _____ p

12 The radius of this circle is 0.9 cm. Find the length of the line XY in mm. _____

(Circle with diameter line from X to Y through centre)

A | Answer

1. Write in digits 1.1 million. _____

2. £0.81 = two 20ps + three 10ps + ☐ p _____ p

3. $8.07 \times 6 =$ _____

4. 1.8km + 450m = ☐ km ☐ m _____ km _____ m

5. 50% of 1.9kg = ☐ g _____ g

6. $275 \div 7 =$ ☐ r ☐ _____ r _____

7. $10^3 - 10^2 =$ _____

8. a $\frac{3}{5} =$ ☐ % a _____ %

   b $\frac{9}{10} =$ ☐ % b _____ %

9. £10 − (2 × 46p) = £ ☐ £ _____

10. $1\frac{3}{10} + \frac{2}{3} + \frac{7}{10} =$ _____

11. 1.5l − ☐ ml = 600ml _____ ml

12. £0.17 × 8 = £ _____

B | Answer

1. Find in degrees the reflex angle to
   a 85° a _____ °
   b 148°. b _____ °

2. How many 50g cans have a total mass of 2kg? _____

3. Decrease £3.50 by 4%. £ _____

4. Approximate
   a 9l 870ml to the nearest litre a _____ l
   b 3.56kg to the nearest $\frac{1}{2}$ kg. b _____ kg

5. What was the date 6 months before 1 March 2000? _____

6. Divide nine hundred and seventy-two by nine. _____

7. a 5% of £6.00 = ☐ p a _____ p
   b 15% of £6.00 = ☐ p b _____ p

8. How long would it take to travel 56km at a speed of 7km per hour? _____ h

9. Find the cost of 1.75l at 60p per litre. £ _____

10. Divide a length of 48cm into two pieces so that one is twice as long as the other. _____ cm _____ cm

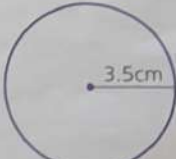11. What fraction in its lowest terms is
    a £27 of £36 a _____
    b £2.50 of £20? b _____

12. Find the area of the smallest square into which the circle can be fitted. [circle 3.5cm] _____

C | Answer

1. There were 3500 spectators at a football match. 30% were women. How many women were there? _____

2. A bottle holds 300ml. Find in litres the contents of 12 bottles. _____ l

3. In the diagram there are 100 small squares. Find as a fraction in its simplest form the part which is
   a patterned ▦ a _____
   b unshaded ☐ b _____
   c shaded. ◼ c _____

4. 3.75 × 8 = 30. Write the answers to
   a 375 × 8 a _____
   b 3.75 × 80. b _____

5. A holiday started on 25 August and ended on 7 September. For how many days did the holiday last? _____

6. What fraction in its simplest form is equivalent to
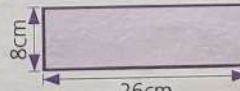   a 0.6 a _____
   b 0.16? b _____

7. The mean mass of three parcels is 6kg. Two of the parcels have a mass of 4.6kg and 6kg. Find the mass of the third parcel. _____ kg

8. A sheet of plywood 26cm by 8cm is cut into strips 2cm wide. Find the total length of the strips. [8cm × 26cm] _____ cm

9. 1ml or 1cm³ of water has a mass of 1g. Find the mass of water in kilograms
   a in a can which holds $1\frac{3}{4}$ l a _____ kg
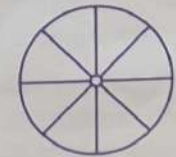   b in a tank the volume of which is 6400cm³. b _____ kg

10. Seven buns cost £2.47. Find to the nearest penny the cost of one. _____ p

11. The circumference of the wheel is 1.5m. How many metres will the wheel travel in
    a 10 turns a _____ m
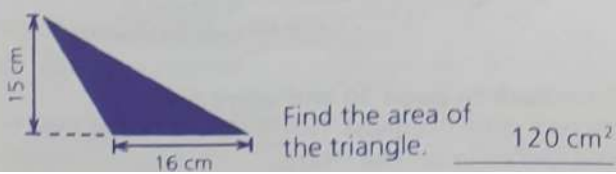   b 100 turns? b _____ m

12. The price of $\frac{1}{2}$ kg of potatoes was increased from 30p to 36p. Find the increase as a fraction in its simplest form of the original price. _____
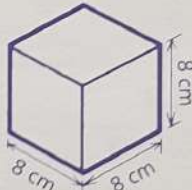
Section 3 Test 5

A

			ANSWER
1	$100 - 28 = 9 \times \blacksquare$		8
2	$250\ 000 = \blacksquare$ million		$\frac{1}{4}$ million
3	$18p + 19p + 23p = £\blacksquare$		£ 0·60
4	$1.2\ m - 75\ cm = \blacksquare$ cm		45 cm
5	$450\ g \times 6 = \blacksquare$ kg		2.7 kg
6	(a) 10% of 840	(a)	84
	(b) 30% of 840	(b)	252
7	$£3·70 \div 8 = \blacksquare$ p rem. $\blacksquare$ p		46p rem. 2p
8	3 min 50 s $= \blacksquare$ s		230 s
9	$1 - \frac{3}{4} - \frac{1}{8}$		$\frac{1}{8}$
10	3.0×0.8		2.4
11	3.050 litres $+ \blacksquare$ mℓ $= 4\ ℓ$		950 mℓ
12	(a) $0.55 = \blacksquare$ %	(a)	55%
	(b) $\frac{1}{25} = \blacksquare$ %	(b)	4%

B

			ANSWER
1	$\boxed{4 \quad 5 \quad 6 \quad 7 \quad 8 \quad 9}$ Which of these numbers are factors of 54?	6	9
2	How many FIVES are there in £3·65?		73
3	What is the average of 200 mℓ, 250 mℓ, 150 mℓ, 120 mℓ?		180 mℓ
4	Write each of these scores as a percentage (a) 5 out of 25	(a)	20%
	(b) 16 out of 50.	(b)	32%
5	How many m are there in 1.650 km?		1650 m
6	Increase £50 by 25%.		£ 62·50
7	How many h and min from 10.40 a.m. to 12.50 p.m.?	2 h	10 min
8	$\frac{7}{10}$ of 5 m = 350 cm Find $\frac{3}{10}$ of 5 m.		150 cm
9	How many hundredths are there in three point nought four?	304	hundredths
10	200 g cost 38p. Find the cost of $\frac{1}{2}$ kg.		95p
11	635 ÷ 7. Write the answer to the nearest whole one.		91
12	Find the area of the triangle. (15 cm, 16 cm)		120 cm²

C

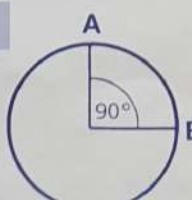|			ANSWER
1	Find the difference between the sum of 6 and 7 and the product of 6 and 7.		29
2	$\boxed{\frac{3}{5} \quad 0.03 \quad \frac{3}{10} \quad \frac{20}{50} \quad 0.3}$ Which of these fractions are equivalent to 30% ?	$\frac{3}{10}$	0.3
3	Megan has 25p and Josh has 41p. How much must Josh give to Megan so that they have equal amounts?		8p
4	A tin when $\frac{3}{4}$ full holds 720 mℓ. How many mℓ does it hold when it is (a) $\frac{1}{8}$ full	(a)	120 mℓ
	(b) $\frac{3}{8}$ full?	(b)	360 mℓ
5	A railway journey takes 1 h 38 min. If the train departs at 11.30 at what time does it arrive?		13.08
6	A boy faces SW. In which direction is he facing if he turns (a) 90° clockwise	(a)	NW
	(b) 45° anticlockwise?	(b)	S
7	(a) What is the name of this solid?	(a)	cube
	(b) Find its surface area. (8 cm, 8 cm, 8 cm)	(b)	384 cm²
8	A customer paid 84p for 300 g of grapes. Find the price for $\frac{1}{2}$ kg.		£ 1·40
9	Which of the following numbers do not change in value if the noughts are omitted? 0.158, 0350, 0.590, 1.506	0.158	0.590
10	The perimeter of a rectangle is 54 cm. Its length is 18 cm. Find (a) its width	(a)	9 cm
	(b) its area.	(b)	162 cm²
11	Find the smallest number which must be added to 403 to make it exactly divisible by 8.		5
12	(a) What fraction of the circumference of the circle is the arc AB? (A, 90°, B)	(a)	$\frac{1}{4}$
	(b) If the angle at the centre were 40°, what fraction of the circumference would be its arc?	(b)	$\frac{1}{9}$

Section 3 Test 6

A

		ANSWER
1	Write as a decimal $10 + \frac{8}{100} + \frac{3}{1000}$.	10.083
2	3.125 litres = ☐ mℓ	3125 mℓ
3	$\frac{3}{10}$ of £1·80	54p
4	1% of twenty thousand	200
5	38 mm + 26 mm + 40 mm = ☐ cm	10.4 cm
6	$10^2 - 4^3$	36
7	0.02 × 50	1
8	$\frac{1}{2}$ kg = 135 g + ☐ g	365 g
9	$\frac{3}{4}$ h − $\frac{2}{3}$ h = ☐ min	5 min
10	47p × 8 = £ ☐	£ 3·76
11	0.25 + ☐ = 0.365	0.115
12	£35 ÷ 4	£ 8·75

B

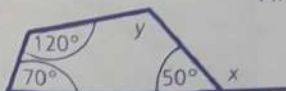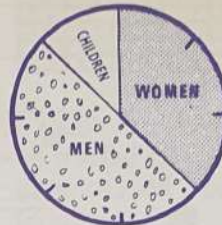|		ANSWER
1	How many hundreds are there in thirty thousand seven hundred?	307
2	100 pencils cost £5·92. Find the cost of 25 pencils.	£ 1·48
3	By how many degrees does the temperature rise from − 10°C to 4°C?	14°C
4	16 24 36 54 72 Which of these numbers are multiples of both 6 and 8?	24 72
5	Find the average of $2\frac{1}{4}$, $1\frac{3}{4}$ and $3\frac{1}{2}$.	$2\frac{1}{2}$
6	By how many g is 750 g less than 1 kg 150 g?	400 g
7	Write 35 eighths as (a) an improper fraction (b) a mixed number.	(a) $\frac{35}{8}$ (b) $4\frac{3}{8}$
8	20% of a sum of money is 49p. Find 100% of the money.	£ 2·45
9	How many days are there in the seventh month of the year?	31
10	Write as a fraction in its lowest terms (a) 15 out of 40 (b) 28 out of 32.	(a) $\frac{3}{8}$ (b) $\frac{7}{8}$
11	Approximate 17.850 litres to the nearest $\frac{1}{2}$ litre.	18 ℓ
12	Find in degrees ∠ x ∠ y.	130° 120°

C

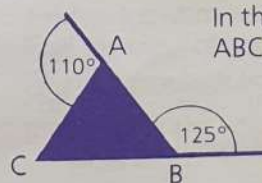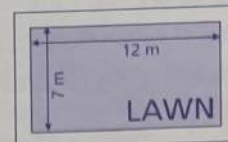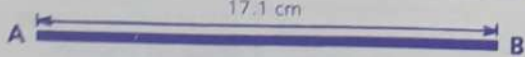|		ANSWER
1	The approximate population of a city is forty thousand more than $\frac{1}{2}$ million. What is the approximate population?	540 000
2	A girl collected 50p in her money box. She has 17 pennies, 9 TWOS and some FIVES. How many FIVES has she?	3 FIVES
3	480 men, women and children went to a concert. From the diagram find how many (a) men (b) women (c) children were at the concert.	(a) 240 (b) 180 (c) 60
4	The perimeter of a regular octagon is 21.6 cm. Find in mm (a) the length of one side (b) the length of a side of a regular hexagon of the same perimeter.	(a) 27 mm (b) 36 mm
5	The price of a ticket was increased from 50p to 60p. What is the increase (a) as a fraction (b) as a percentage of the original price?	(a) $\frac{1}{5}$ (b) 20%
6	How many packets each containing 300 g can be made from 2.5 kg? How many g are left?	8 rem. 100 g
7	1 litre or 1000 cm³ of water has a mass of 1 kg. (a) How many mℓ have the same volume as 1 cm³ ? (b) What is the mass of 1 cm³ of water?	(a) 1 mℓ (b) 1 g
8	A room is $1\frac{1}{4}$ times as long as it is wide. If the width is 6 m find the area of the room.	45 m²
9	In the triangle ABC find ∠ ABC ∠ BAC ∠ ACB.	55° 70° 55°
10	Lawn sand is made from 3 parts coarse sand and 2 parts peat. (a) What percentage of the mixture is sand? (b) Find the mass of peat required to make 2 kg of the lawn sand.	(a) 60% (b) 800 g
11	Motor Museum ADMISSION £3·40 children − half price. What is the total admission price for mother, father and two children?	£ 10·20
12	The lawn measures 12 m by 7 m. The path around it is 1.5 m wide. Find the area of the whole garden.	150 m²

A

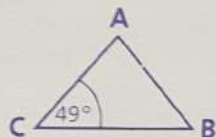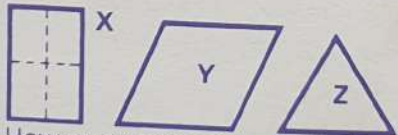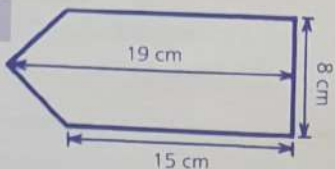|		ANSWER
1	Write in figures $\frac{1}{10}$ of 1 million.	100 000
2	85 g × 100 = ☐ kg	8.5 kg
3	1.06 − 0.79	0.27
4	480 mm = ☐ m	0.480 m
5	$\frac{5}{6}$ of 30p	25p
6	905 ÷ 100	9.05
7	(a) 1% of £3·00 = ☐ p	(a) 3p
	(b) 9% of £3·00 = ☐ p	(b) 27p
8	£0·04 × 50	£ 2
9	$\frac{3}{4}$ h + 35 min = ☐ h ☐ min	1 h 20 min
10	2.650 litres = ☐ mℓ	2650 mℓ
11	19p + 7p + 5p + 8p = £ ☐	£ 0·39
12	$1\frac{3}{4} \times 8$	14

B

		ANSWER
1	Write as a decimal the sum of 9 tenths and 37 thousandths.	0.937
2	Find the two missing numbers in this series. 70, 7, ☐, 0.07, ☐	0.7 0.007
3	What is the average of 15 cm, $\frac{1}{2}$ m and 17 cm?	19 cm
4	Increase £7·50 by 10%.	£ 8·25
5	By how many twelfths is $1\frac{5}{6}$ less than $2\frac{1}{4}$?	$\frac{5}{12}$
6	Write in 24-hour clock times (a) 18 min before noon	(a) 11.42
	(b) $\frac{1}{2}$ h after 7.57 p.m.	(b) 20.27
7	Find the difference between $\frac{1}{5}$ of 25 and $\frac{1}{3}$ of 45.	10
8	5% of a sum of money is £0·40. Find the whole amount.	£ 8
9	Approximate (a) 10.250 litres to the nearest litre	(a) 10 ℓ
	(b) £439·87 to the nearest £.	(b) £ 440
10	17.1 cm A ▬▬▬▬▬▬▬ B Find in mm the length of a line 15 mm shorter than AB.	156 mm
11	What is the cost of 800 g at 90p per kg?	72p
12	The area of a rectangle is $66\frac{1}{2}$ cm². The width of the rectangle is 7 cm. Find its length.	$9\frac{1}{2}$ cm

C

		ANSWER
1	Write in words the number which is equal to (3 × 10³) + (6 × 10²).	three thousand six hundred
2	There are 60 cards in a packet. There are 12 packets and 17 odd cards. How many cards are there altogether?	737
3	A bill for £4·23 is paid with a £5 note. Name the four coins given as change.	50p 20p 5p 2p
4	ABC is an isosceles triangle. Find the angle at B the angle at A.	49° 82°
5	1 litre of water has the same volume as 1000 cm³. What are the volumes in cm³ of (a) 200 mℓ	(a) 200 cm³
	(b) 1.7 ℓ ?	(b) 1700 cm³
6	A plank of wood 7.5 m long is cut into two parts so that one part is four times as long as the other. Find the length of each part.	6 m 1.5 m
7	**TRAIN TIMES** Which train, A or B, is the quicker and by how many minutes?	B by 8 min

	Depart	Arrive
A	10.45	12.35
B	16.18	18.00

		ANSWER
8	The total mass of 12 parcels of equal mass is 5.4 kg. Find the mass of (a) 4 parcels in kg and g	(a) 1 kg 800 g
	(b) 1 parcel in g.	(b) 450 g
9	How many axes of symmetry has (a) the rhombus Y	(a) 2
	(b) the equilateral triangle Z? The rectangle X has two axes of symmetry.	(b) 3
10	The circumference of a wheel is 45 cm. How many times will it turn in going 450 m?	1000
11	By how much is it cheaper to pay for an article priced at £25 with a discount of 10%, than a discount of 8p in the £?	50p
12	19 cm, 8 cm, 15 cm. Find the area of the shape.	136 cm²

Section 3 Test 8

A

		ANSWER
1	Write in figures 1.1 million.	1 100 000
2	£0·81 = 2 TWENTIES + 3 TENS + ☐ p	11p
3	8.07 × 6	48.42
4	1.8 km + 450 m = ☐ km ☐ m	2 km 250 m
5	50% of 1.9 kg = ☐ g	950 g
6	275 ÷ 7 = ☐ rem. ☐	39 rem. 2
7	$10^3 - 10^2$	900
8	(a) $\frac{3}{5}$ = ☐ % (b) $\frac{9}{10}$ = ☐ %	(a) 60% (b) 90%
9	£10 − (2 × 46p) = £ ☐	£ 9·08
10	$1\frac{3}{10} + \frac{2}{3} + \frac{7}{10}$	$2\frac{2}{3}$
11	1.5 litres − ☐ mℓ = 600 mℓ	900 mℓ
12	£0·17 × 8	£ 1·36

B
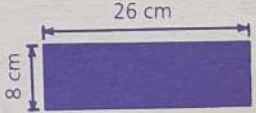
		ANSWER
1	Find in degrees the reflex angle to (a) 85° (b) 148°.	(a) 275° (b) 212°
2	How many 50-g cans have a total mass of 2 kg?	40
3	Decrease £3·50 by 4p in the £.	£ 3·36
4	Approximate (a) 9 ℓ 870 mℓ to the nearest litre (b) 3.560 kg to the nearest $\frac{1}{2}$ kg.	(a) 10 ℓ (b) $3\frac{1}{2}$ kg
5	What was the date 6 months before 1st March 2000?	1st Sept. '99
6	Divide nine hundred and seventy-two by nine.	108
7	(a) 5% of £6·00 = ☐ p (b) 15% of £6·00 = ☐ p	(a) 30p (b) 90p
8	At 90 km/h what distance is travelled in 10 min?	15 km
9	Find the cost of 1.75 litres at 60p per ℓ.	£ 1·05
10	Divide a length of 48 cm into two pieces so that one is twice as long as the other.	32 cm 16 cm
11	What fraction in its lowest terms is (a) £27 of £36 (b) £2·50 of £20?	(a) $\frac{3}{4}$ (b) $\frac{1}{8}$
12	Find the area of the triangle. 17 cm, 5 cm	$42\frac{1}{2}$ cm²

C

		ANSWER
1	There were 3500 spectators at a football match. 7% were women. How many women were there?	245
2	A bottle holds 300 mℓ. Find in litres the contents of 12 bottles.	3.6 ℓ
3	In the diagram there are 100 small squares. Find as a fraction in its lowest terms the part which is (a) shaded ☐ (b) unshaded ☐ (c) coloured. ■	(a) $\frac{1}{4}$ (b) $\frac{3}{5}$ (c) $\frac{3}{20}$
4	3.75 × 8 = 30 Write the answers to (a) 375 × 8 (b) 3.75 × 80.	(a) 3000 (b) 300
5	A sea cruise started on 25th August and ended on 7th September. For how many days did the cruise last?	14
6	A plan is drawn to the scale of 1 mm to 50 cm. What fraction represents this scale?	$\frac{1}{500}$
7	The average mass of 3 parcels is 6 kg. Two of the parcels have a mass of 4.6 kg and 6 kg. Find the mass of the third parcel.	7.4 kg
8	26 cm, 8 cm — A sheet of plywood 26 cm by 8 cm is cut into strips 2 cm wide. Find the total length of the strips.	104 cm
9	1 mℓ or 1 cm³ of water has a mass of 1 g. Find the mass of water in kg (a) in a can which holds $1\frac{3}{4}$ litres (b) in a tank the volume of which is 6400 cm³.	(a) 1.75 kg (b) 6.4 kg
10	7 articles cost £2·47. Find to the nearest penny the cost of one.	35p
11	The diameter of this wheel is 50 cm. How far in m does the wheel travel for 1 turn? (C = πd, π = 3.14)	1.57 m
12	The price of $\frac{1}{2}$ kg of potatoes was increased from 30p to 36p. Find the increase as a percentage of the original price.	20 %