A | Answer

1. 2.9 = ☐ tenths   _____ tenths

2. £4.07 = ☐ p   _____ p

3. 3h 50min = ☐ min   _____ min

4. 24p × 5 = £☐   £ _____

5. 7 × ☐ = 43 − 8   _____

6. 76p + five 5ps = £☐   £ _____

7. (1000 × 10) + (100 × 5) + (10 × 7) =   _____

8. 5.08m = ☐ cm   _____ cm

9. Find $\frac{1}{2}$ of $3\frac{1}{2}$.   _____

10. 0.6kg − ☐ g = 340g   _____ g

11. $3\frac{3}{4}l$ = ☐ l ☐ ml   _____ l _____ ml

12. 11p × 100 = £☐   £ _____

B | Answer

1. Find the missing number in this sequence.
   1, 10, 100, ☐, 10000   _____

2. Find the product of 10 and 45.   _____

3. How many times greater than 0.1 is 10?   _____

4. What distance in kilometres and metres is twice as long as 4.8km?   _____ km _____ m

5. Divide 52p exactly by 4.   _____ p

6. Find the difference in pence between 15 10ps and 40 5ps.   _____ p

7. A taxi fare for a journey of 7km cost 91p. How much was the charge per kilometre?   _____ p

8. Write to the nearest $\frac{1}{2}$ kg.
   a 1kg 620g   a _____ kg
   b 2kg 390g   b _____ kg

9. Find the area of a rectangle 7cm long and 3cm wide. Give the unit of measurement.   _____

10. By how many pence is $\frac{1}{5}$ of £3 greater than $\frac{1}{6}$ of £3?   _____ p

11. 58cm divided by 10 = ☐ mm   _____ mm

12. Write as a decimal fraction of a kilogram the sum of $\frac{1}{4}$ kg and 450g.   _____ kg

C | Answer

1. T U t What decimal fraction must be added to the number shown on the abacus to equal 50?   _____

2. What fraction of 28kg is
   a 7kg   a _____
   b 4kg?   b _____

3. | 18/06/13 | By how many months is 18 February 2014 later than the given date?   _____ mth

4. Write a quarter of a metre
   a in centimetres   a _____ cm
   b as a decimal fraction of a metre.   b _____ m

5. ___X___ Line X is 0.9cm long. Write, in mm, the length of a line that is twice as long.   _____ mm

6. Which of these fractions is
   $\frac{5}{6}$ $\frac{5}{7}$ $\frac{5}{8}$ $\frac{5}{9}$ $\frac{5}{10}$
   a the largest   a _____
   b the smallest?   b _____

7. The temperature rises by 7 degrees from −9°C. What is the new temperature?   _____

8. The perimeter of this regular hexagon is 7.2cm. Find the length of one side
   a in centimetres   a _____ cm
   b in millimetres.   b _____ mm

9. Find the value in pence of x and y.   x _____ p y _____ p

Price chart	mass	100g	150g	200g	250g	300g
	cost	18p	x	36p	y	54p

10. A square has vertices at (0, 2), (1, 3), (2, 2) and (x, y). What are the values of x and y?   (_____ , _____)

11. Add XVIII and XLII and write the answer using Roman numerals.   _____

12. Alex takes four 5ml spoonfuls of medicine each day. For how many days will 0.2l last?   _____ days

A

		Answer
1	☐ + 6 + 9000 + 400 = 9456	
2	$\frac{4}{5}$ = ☐ hundredths	$\frac{}{100}$
3	£4.05 – 50p = £☐	£
4	24 + 24 + 24 + 24 + 24 + 24 + 24 =	
5	1l 600ml ÷ 8 = ☐ ml	ml
6	£3.60 ÷ 10 = ☐ p	p
7	9.6cm – 15mm = ☐ mm	mm
8	£3.10 = three 50ps + ☐ 20ps	20ps
9	3² = 3 × 3 = ☐	
10	8km – 1700m = ☐ km	km
11	$\frac{3}{4}$ kg – 260g = ☐ g	g
12	$\frac{5}{7}$ of £63 =	£

B

		Answer
1	How many times greater is £8 than 8p?	
2	Put these decimals in ascending order. 0.67 7.06 7.60 6.07 6.70	
3	Reduce 125 by 99.	
4	How many hundreds are there in 10 000?	
5	Multiply 55p by 10.	£
6	How many hours in 3 days?	
7	Write in £s the total of seven 5ps, four 10ps and nine 2ps.	£
8	500g cost 28p. Find the cost of 1$\frac{1}{2}$ kg.	p
9	Multiply 9.5cm by 100. Write the answer in metres.	m
10	Write the sum of 4$\frac{7}{10}$ and 3$\frac{9}{10}$ as a decimal.	
11	$\frac{3}{4}$ of a number is 9. What is the number?	
12	A 4m length of material is cut into five equal pieces. Find the length in centimetres of one piece.	cm

C

		Answer
1	How much change from a 50p after buying four badges at 9p each?	p
2	Write as a decimal fraction the difference between $\frac{9}{10}$ and $\frac{99}{100}$.	
3	How many millilitres remain from 2l of water after filling the three bottles?	ml
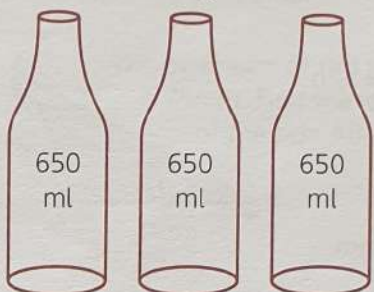
650 ml 650 ml 650 ml
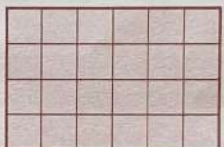
		Answer
4	15 November was on a Wednesday. On which day of the week was 29 November?	

5 Each square represents one square centimetre.

		Answer
a	Count the squares to find the area of the rectangle.	a
b	Find its perimeter in centimetres.	b
6	Write the number nearest to 99 that can be divided exactly by 8.	
7	Cereal bars are 63p for a packet of six. Find the cost of two bars.	p

8

Gabriela	9
Emily	7
Sam	
Jessica	6

These children scored a total of 32 marks. What was Sam's score?

		Answer
9	The length of Harry's pace is 50cm. How many paces does he take when walking 1km?	
10	Write the name of a triangle with all equal sides.	
11	Which two of the boxes together have a mass of 1.5kg?	

850g 0.8kg 0.9kg 650g
W X Y Z

12 Find the value of x. $6\overline{)x}$ 1 9 r 5

A

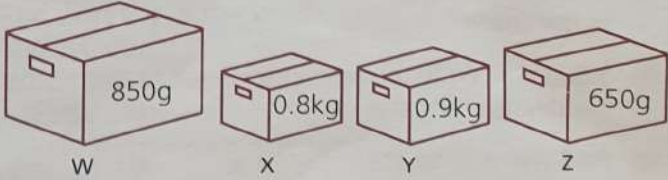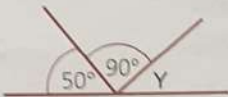|	Answer
1 1.6 = a tenths	a tenths
b hundredths	b hundredths
2 $\frac{11}{16} + \square = 1$	
3 $23 + 25 = \square \times 6$	
4 $0.78m = \square$ cm	cm
5 $57 \div 3 =$	
6 £1.00 − (23p + 38p) = $\square$ p	p
7 (6 × 6) − (3 × 9) =	
8 £3.50 × 8 = £$\square$	£
9 5.6cm − 38mm = $\square$ mm	mm
10 $5^2 = 5 \times 5 = \square$	
11 10 ice lollies cost £2.50. One will cost $\square$ p.	p
12 1kg 600g + 3kg 800g = $\square$ kg	kg

B

	Answer
1 Write 864cm to the nearest metre.	m
2 Increase £4.55 by 90p.	£
3 Write, in centimetres, the value that is half of	
a 68mm	a cm
b 3.6cm.	b cm
4 Write each fraction as an equivalent one with the denominator 4. a $\frac{15}{20}$ b $\frac{12}{16}$	a b
5 Write as a decimal the total of 3 tens, 7 tenths and 8 hundredths.	
6 Find the missing numbers in this sequence. 90, 81, $\square$, $\square$, 54, 45	
7 $\frac{54}{6} = 36 \div y.$ Find the value of y.	
8 Find the difference between £0.50 and one-quarter of £1.	p
9 What fraction of 10 is $1\frac{1}{4}$?	
10 Divide £8.40 by 10 and add 16p to the answer.	£
11 3.6kg × 6. Write the answer to the nearest kilogram.	kg
12 Find one-quarter of 10m a in metres b in centimetres.	a m b cm

C

	Answer
1 Write the part of the square which is shaded a as a decimal fraction b as a fraction in its lowest terms.	a b
2 Which number other than 1 will divide exactly into each of these numbers? 28 42 35 14	
3 Find the measurement in degrees of the angle marked Y. (50°, 90°, Y)	°
4 A litre of juice has a mass of 1kg. Find the mass in grams of a 0.5l b $\frac{1}{4}$l.	a g b g
5 What is the area of a corridor $2\frac{1}{2}$m wide and 20m long? Give the unit of measurement.	

6   Which bus X, Y or Z   a arrives at Notley at 7.03 p.m.   b leaves Borden at 7.30 p.m.?

Timetable	leave Borden	arrive Notley
X	17.30	18.03
Y	18.30	19.03
Z	19.30	20.03

a _____   b _____

	Answer
7 25cm of ribbon cost 14p. Find the cost per metre.	p
8 Alfie bought four yoghurts each costing 18p. Name the three coins he gave in exact payment.	___p ___p ___p
9 How many 250ml bottles can be filled from $2\frac{1}{2}$l of milk?	
10 The chart shows the number of minutes Toby took to walk to school each day. Find the total number of minutes and divide it by the number of days.	min

Monday	Tuesday	Wednesday	Thursday	Friday
7	11	10	6	6

	Answer
11 What number is 5 less than 2?	
12 The diagram shows the lengths of the roads from Luca's to Hassan's house. Find the total distance in a kilometres b metres.	a km b m

Luca —1.6km— 2.6km — 1.5km— Hassan

A | Answer

1. $39 + 67 =$ _____
2. $0.1 + 10 + 0.06 =$ _____
3. $2h - 28min = \square min$ _____ min
4. $500 - (40 \times 9) =$ _____
5. $9cm \div 10 = \square mm$ _____ mm
6. $6^2 = 6 \times 6 =$ _____
7. $(9 \times 6) + (3 \times 8) =$ _____
8. $\square ml \times 10 = 4l$ _____ ml
9. $1.4kg - 850g = \square g$ _____ g
10. $£1 - (8p \times 6) = \square p$ _____ p
11. $\frac{7}{8}$ of $£56 =$ £ _____
12. $6m \div 4 = \square cm$ _____ cm

B | Answer

1. Write to the nearest whole number.

   a 8.5   a _____

   b $11\frac{5}{12}$ b _____

2. Write 39p as a decimal fraction of £1. £ _____

3. How many times can 0.2 be taken from 1? _____

4. How many days in

   a a year   a _____

   b a leap year?   b _____

5. What sum of money is equal to five times 88p?   £ _____

6. Which of these fractions is equal to $\frac{3}{4}$?

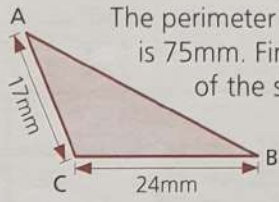 | $\frac{16}{20}$ | $\frac{15}{20}$ | $\frac{16}{24}$ | $\frac{12}{18}$ |

   _____

7. Find the difference in grams between $\frac{1}{2}$kg and 0.3kg. _____ g

8. Multiply 8.33m by 100. _____ m

9. By how many centimetres is 2.46m greater than 1.95m? _____ cm

10. Add 8, 13, 10 and 9 and divide by 4. _____

11. By how many is the sum of 15 and 10 less than the product of 15 and 10? _____

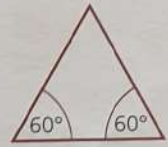12. Rearrange these digits to make the largest possible even number.

    | 4 | 0 | 8 | 7 |

    _____

C | Answer

1. How many grams less than 5kg is the total of 2.7kg and 1.5kg? _____ g

2. What 24-hour time is 15 minutes after 12:55? _____

3. How many 7p sweets can be bought for £2.10? _____

4. The perimeter of this triangle is 75mm. Find the length of the side AB. _____ mm

5. Which three coins are given in change from £5 after spending £4.76? _____ p _____ p _____ p

6. Write the amount of liquid in this jug as

   a a decimal fraction of 1l   a _____ l

   b a fraction of 1l in its lowest terms   b _____ l

7. The cost of $2\frac{1}{2}$kg of rice is £5.50. Find the cost of 500g.   £ _____

8.
   ```
     1 5 4
   -   ■ ■
   ─────────
       6 7
   ```
   Find the missing number. _____

9. Find the difference between CI and XLVIII and write the answer using Roman numerals. _____

10. Name this triangle by

    a its angles   a _____

    b its sides.   b _____

11. | 9996.8 |
    | 10 000.0 |

    The readings show the number of kilometres travelled by a car before and after a journey. Find in kilometres the length of the journey. _____ km

12. The chart shows the length and breadth of four rectangles. Which two of the rectangles have the same area?

	W	X	Y	Z
length	7cm	4cm	5cm	8cm
breadth	$1\frac{1}{2}$cm	3cm	2cm	$1\frac{1}{2}$cm
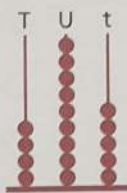
A | Answer

1. $2.9 = \square$ tenths — 29 tenths

2. £4.07 = $\square$ p — 407p

3. 3h 50min = $\square$ min — 230min

4. 24p × 5 = £ $\square$ — £1.20

5. 7 × $\square$ = 43 − 8 — 5

6. 76p + five 5ps = £ $\square$ — £1.01

7. (1000 × 10) + (100 × 5) + (10 × 7) = — 10 570

8. 5.08m = $\square$ cm — 508cm

9. Find $\frac{1}{2}$ of $3\frac{1}{2}$. — $1\frac{3}{4}$

10. 0.6kg − $\square$ g = 340g — 260g

11. $3\frac{3}{4}$ l = $\square$ l $\square$ ml — 3l 750ml

12. 11p × 100 = £ $\square$ — £11.00

B | Answer

1. Find the missing number in this sequence.
   1, 10, 100, $\square$, 10 000 — 1000

2. Find the product of 10 and 45. — 450

3. How many times greater than 0.1 is 10? — 100

4. What distance in kilometres and metres is twice as long as 4.8km? — 9km 600m

5. Divide 52p exactly by 4. — 13p

6. Find the difference in pence between 15 10ps and 40 5ps. — 50p

7. A taxi fare for a journey of 7km cost 91p. How much was the charge per kilometre? — 13p

8. Write to the nearest $\frac{1}{2}$ kg.
   a 1kg 620g — a $1\frac{1}{2}$ kg
   b 2kg 390g — b $2\frac{1}{2}$ kg

9. Find the area of a rectangle 7cm long and 3cm wide. Give the unit of measurement. — 21cm²

10. By how many pence is $\frac{1}{5}$ of £3 greater than $\frac{1}{6}$ of £3? — 10p

11. 58cm divided by 10 = $\square$ mm — 58mm

12. Write as a decimal fraction of a kilogram the sum of $\frac{1}{4}$ kg and 450g. — 0.7kg

C | Answer

1. T U t — What decimal fraction must be added to the number shown on the abacus to equal 50? — 0.5

2. What fraction of 28kg is
   a 7kg — a $\frac{1}{4}$
   b 4kg? — b $\frac{1}{7}$

3. 18/06/13 — By how many months is 18 February 2014 later than the given date? — 8mth

4. Write a quarter of a metre
   a in centimetres — a 25cm
   b as a decimal fraction of a metre. — b 0.25m

5. X — Line X is 0.9cm long. Write, in mm, the length of a line that is twice as long. — 18mm

6. Which of these fractions is
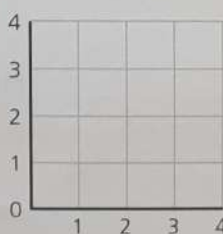 $\frac{5}{6}$ $\frac{5}{7}$ $\frac{5}{8}$ $\frac{5}{9}$ $\frac{5}{10}$
   a the largest — a $\frac{5}{6}$
   b the smallest? — b $\frac{5}{10}$

7. The temperature rises by 7 degrees from −9°C. What is the new temperature? — −2°C

8. The perimeter of this regular hexagon is 7.2cm. Find the length of one side
   a in centimetres — a 1.2cm
   b in millimetres. — b 12mm

9. Find the value in pence of x and y. — x 27p y 45p

Price chart	mass	100g	150g	200g	250g	300g
	cost	18p	x	36p	y	54p

10. A square has vertices at (0, 2), (1, 3), (2, 2) and (x, y). What are the values of x and y? — (1, 1)

11. Add XVIII and XLII and write the answer using Roman numerals. — LX

12. Alex takes four 5ml spoonfuls of medicine each day. For how many days will 0.2l last? — 10 days

A

		Answer
1	☐ + 6 + 9000 + 400 = 9456	50
2	$\frac{4}{5}$ = ☐ hundredths	$\frac{80}{100}$
3	£4.05 − 50p = £ ☐	£3.55
4	24 + 24 + 24 + 24 + 24 + 24 + 24 =	168
5	1l 600ml ÷ 8 = ☐ ml	200ml
6	£3.60 ÷ 10 = ☐ p	36p
7	9.6cm − 15mm = ☐ mm	81mm
8	£3.10 = three 50ps + ☐ 20ps	8 20ps
9	3^2 = 3 × 3 = ☐	9
10	8km − 1700m = ☐ km	6.3km
11	$\frac{3}{4}$ kg − 260g = ☐ g	490g
12	$\frac{5}{7}$ of £63 =	£45

B

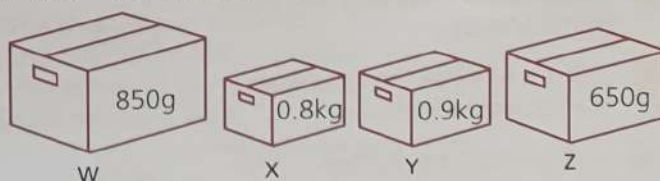|		Answer
1	How many times greater is £8 than 8p?	100
2	Put these decimals in ascending order. 0.67 7.06 7.60 6.07 6.70	0.67 6.07 6.70 7.06 7.60
3	Reduce 125 by 99.	26
4	How many hundreds are there in 10 000?	100
5	Multiply 55p by 10.	£5.50
6	How many hours in 3 days?	72
7	Write in £s the total of seven 5ps, four 10ps and nine 2ps.	£0.93
8	500g cost 28p. Find the cost of $1\frac{1}{2}$ kg.	84p
9	Multiply 9.5cm by 100. Write the answer in metres.	9.5m
10	Write the sum of $4\frac{7}{10}$ and $3\frac{9}{10}$ as a decimal.	8.6
11	$\frac{3}{4}$ of a number is 9. What is the number?	12
12	A 4m length of material is cut into five equal pieces. Find the length in centimetres of one piece.	80cm

C

		Answer
1	How much change from a 50p after buying four badges at 9p each?	14p
2	Write as a decimal fraction the difference between $\frac{9}{10}$ and $\frac{99}{100}$.	0.09
3	How many millilitres remain from 2l of water after filling the three bottles?	50ml

650 ml   650 ml   650 ml

4	15 November was on a Wednesday. On which day of the week was 29 November?	Wednesday

5	Each square represents one square centimetre.	
	a Count the squares to find the area of the rectangle.	a 24cm²
	b Find its perimeter in centimetres.	b 20cm
6	Write the number nearest to 99 that can be divided exactly by 8.	96
7	Cereal bars are 63p for a packet of six. Find the cost of two bars.	21p

8			
	Gabriela	9	These children scored a total of 32 marks. What was Sam's score?
	Emily	7	
	Sam	☐	
	Jessica	6	10

9	The length of Harry's pace is 50cm. How many paces does he take when walking 1km?	2000
10	Write the name of a triangle with all equal sides.	equilateral
11	Which two of the boxes together have a mass of 1.5kg?	W Z

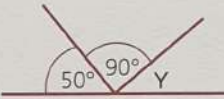850g   0.8kg   0.9kg   650g
W   X   Y   Z

12	Find the value of x. 6) x (1 9 r 5)	119

A

		Answer	
1	$1.6 =$ a tenths	a	16 tenths
	b hundredths	b	160 hundredths
2	$\frac{11}{16} + \square = 1$		$\frac{5}{16}$
3	$23 + 25 = \square \times 6$		8
4	$0.78m = \square$ cm		78cm
5	$57 \div 3 =$		19
6	£1.00 − (23p + 38p) = $\square$ p		39p
7	$(6 \times 6) − (3 \times 9) =$		9
8	£3.50 × 8 = £$\square$		£28.00
9	5.6cm − 38mm = $\square$ mm		18mm
10	$5^2 = 5 \times 5 = \square$		25
11	10 ice lollies cost £2.50. One will cost $\square$ p.		25p
12	1kg 600g + 3kg 800g = $\square$ kg		5.4kg

B

		Answer	
1	Write 864cm to the nearest metre.		9m
2	Increase £4.55 by 90p.		£5.45
3	Write, in centimetres, the value that is half of		
	a 68mm	a	3.4cm
	b 3.6cm.	b	1.8cm
4	Write each fraction as an equivalent one with the denominator 4.		
	a $\frac{15}{20}$ b $\frac{12}{16}$	a $\frac{3}{4}$ b $\frac{3}{4}$	
5	Write as a decimal the total of 3 tens, 7 tenths and 8 hundredths.		30.78
6	Find the missing numbers in this sequence. 90, 81, $\square$, $\square$, 54, 45	72	63
7	$\frac{54}{6} = 36 \div y$. Find the value of y.		4
8	Find the difference between £0.50 and one-quarter of £1.		25p
9	What fraction of 10 is $1\frac{1}{4}$?		$\frac{1}{8}$
10	Divide £8.40 by 10 and add 16p to the answer.		£1.00
11	3.6kg × 6. Write the answer to the nearest kilogram.		22kg
12	Find one-quarter of 10m		
	a in metres	a	2.5m
	b in centimetres.	b	250cm

C

		Answer	
1	Write the part of the square which is shaded a as a decimal fraction	a	0.25
	b as a fraction in its lowest terms.	b	$\frac{1}{4}$
2	Which number other than 1 will divide exactly into each of these numbers? 28 42 35 14		7
3	Find the measurement in degrees of the angle marked Y. (50° 90° Y)		40°
4	A litre of juice has a mass of 1kg. Find the mass in grams of		
	a 0.5l	a	500g
	b $\frac{1}{4}$l.	b	250g
5	What is the area of a corridor $2\frac{1}{2}$m wide and 20m long? Give the unit of measurement.		50m²

6

Timetable	leave Borden	arrive Notley
X	17.30	18.03
Y	18.30	19.03
Z	19.30	20.03

Which bus X, Y or Z
a arrives at Notley at 7.03 p.m.   a Y
b leaves Borden at 7.30 p.m.?   b Z

		Answer
7	25cm of ribbon cost 14p. Find the cost per metre.	56p
8	Alfie bought four yoghurts each costing 18p. Name the three coins he gave in exact payment.	50p 20p 2p
9	How many 250ml bottles can be filled from $2\frac{1}{2}$l of milk?	10
10	The chart shows the number of minutes Toby took to walk to school each day. Find the total number of minutes and divide it by the number of days.	8min

Monday	Tuesday	Wednesday	Thursday	Friday
7	11	10	6	6

		Answer
11	What number is 5 less than 2?	−3
12	The diagram shows the lengths of the roads from Luca's to Hassan's house. Find the total distance in	
	a kilometres	a 5.7km
	b metres.	b 5700m

Luca — 1.6km — 2.6km — 1.5km — Hassan

A

		Answer
1	$39 + 67 =$	106
2	$0.1 + 10 + 0.06 =$	10.16
3	$2h - 28min = \blacksquare min$	92min
4	$500 - (40 \times 9) =$	140
5	$9cm \div 10 = \blacksquare mm$	9mm
6	$6^2 = 6 \times 6 =$	36
7	$(9 \times 6) + (3 \times 8) =$	78
8	$\blacksquare ml \times 10 = 4l$	400ml
9	$1.4kg - 850g = \blacksquare g$	550g
10	$£1 - (8p \times 6) = \blacksquare p$	52p
11	$\frac{7}{8}$ of $£56 =$	£49
12	$6m \div 4 = \blacksquare cm$	150cm

B

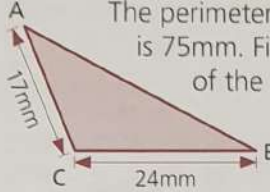|		Answer
1	Write to the nearest whole number.	
	a 8.5	a 9
	b $11\frac{5}{12}$	b 11
2	Write 39p as a decimal fraction of £1.	£0.39
3	How many times can 0.2 be taken from 1?	5
4	How many days in	
	a a year	a 365
	b a leap year?	b 366
5	What sum of money is equal to five times 88p?	£4.40
6	Which of these fractions is equal to $\frac{3}{4}$? $\frac{16}{20}$ $\frac{15}{20}$ $\frac{16}{24}$ $\frac{12}{18}$	$\frac{15}{20}$
7	Find the difference in grams between $\frac{1}{2}kg$ and 0.3kg.	200g
8	Multiply 8.33m by 100.	833m
9	By how many centimetres is 2.46m greater than 1.95m?	51cm
10	Add 8, 13, 10 and 9 and divide by 4.	10
11	By how many is the sum of 15 and 10 less than the product of 15 and 10?	125
12	Rearrange these digits to make the largest possible even number. 4 0 8 7	8740

C

		Answer
1	How many grams less than 5kg is the total of 2.7kg and 1.5kg?	800g
2	What 24-hour time is 15 minutes after 12:55?	13:10
3	How many 7p sweets can be bought for £2.10?	30

4   The perimeter of this triangle is 75mm. Find the length of the side AB. **34mm**

		Answer
5	Which three coins are given in change from £5 after spending £4.76?	20p 2p 2p

6   Write the amount of liquid in this jug as

   a a decimal fraction of 1l   a   0.7l

   b a fraction of 1l in its lowest terms   b $\frac{7}{10}l$
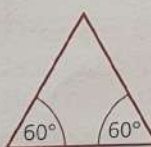
		Answer
7	The cost of $2\frac{1}{2}kg$ of rice is £5.50. Find the cost of 500g.	£1.10
8	$\begin{array}{r} 1\ 5\ 4 \\ -\ \blacksquare\ \blacksquare \\ \hline 6\ 7 \end{array}$ Find the missing number.	87
9	Find the difference between CI and XLVIII and write the answer using Roman numerals.	LIII

10   Name this triangle by

   a its angles   a acute

   b its sides.   b equilateral

11 9996.8 / 10000.0 The readings show the number of kilometres travelled by a car before and after a journey. Find in kilometres the length of the journey.   **3.2km**

12 The chart shows the length and breadth of four rectangles. Which two of the rectangles have the same area?   X   Y

	W	X	Y	Z
length	7cm	4cm	5cm	8cm
breadth	$1\frac{1}{2}cm$	3cm	2cm	$1\frac{1}{2}cm$