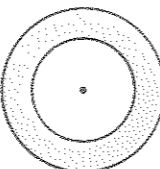
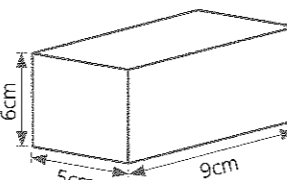
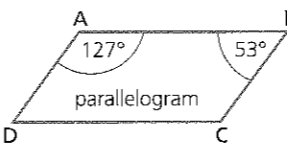


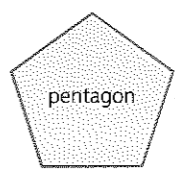
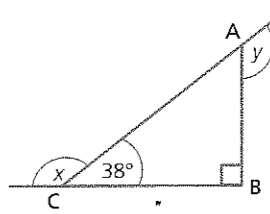
A	Answer
1 Write in digits a 0.7 million b 1.2 million.	a 700000 b 1200000
2 $19p + 27p + 63p = £$	£1.09
3 $12.65\text{km} = \text{m}$	12650m
4 $2\frac{7}{8} + 1\frac{1}{8} + 1\frac{1}{4} =$	$5\frac{1}{4}$
5 a 1% of twenty thousand = b 100% of four hundred and nine =	a 200 b 409
6 $\frac{x}{6} = 12$. Find the value of x.	72
7 $1.65\text{m} - 95\text{cm} = \text{cm}$	70cm
8 $\frac{3}{25} = \frac{\quad}{100} = \%$	$\frac{12}{100} = 12\%$
9 $350\text{ml} \times 9 = \text{l}$	3.15l
10 $4.050\text{kg} + \text{g} = 5\text{kg}$	950g
11 $35p \times 100 =$	£35.00
12 $970 \div 40 = r$	24 r 10

B	Answer
1 How many thousandths are there in five point zero eight?	5080 thousandths
2 Find the mean average of 2.7, 3.6 and 1.8.	2.7
3 How many times is 250ml contained in 3.5l?	14
4 Increase \$240 by 5%.	\$252
5 How many hours and minutes from midnight to 1.45 p.m.?	13h 45min
6 Which of these numbers is a multiple of 4, 6 and 9? 27 42 54 63 72	72
7 What is the mass in kilograms of six presents each having a mass of 230g?	1.38kg
8 25% of a sum of money is 73p. What is the whole amount?	£2.92
9 Find the cost of 50g at £2.60 per $\frac{1}{2}$ kg.	26p
10 Write the answer to the nearest whole number. $\frac{705}{8} =$	88
11 $\frac{3}{8}$ of a sum of money is 24p. Find $\frac{1}{8}$ of the sum of money.	56p
12 The perimeter of a square is 1.2m. Find a the length of a side in cm b the area of the square in cm^2 .	a 30cm b 900 cm^2

C	Answer								
1 Jamil received 12p change from £2 after buying four tins of tomatoes. Find the cost per tin.	47p								
2 The diameter of a circle is 15.6cm. Find its radius in millimetres.	78mm								
3 The mean mass of three suitcases is 25kg. If two of the cases have masses of 20kg and 28kg respectively, find the mass of the other case.	27kg								
4 Which of these fractions or percentages are equal to 0.15? $\frac{1}{4}$ $\frac{3}{10}$ 15% $\frac{3}{20}$ $\frac{18}{100}$ 3%	$\frac{3}{20}$, 15%								
5 Find the smallest sum of money which must be added to £2.45 to make it exactly divisible by 9.	7p								
6 The chart shows the percentages of adults and children who live on a street of 720 people. a What percentage are girls? b Find the total number of men and women.	a 40% b 180								
	<table border="1"> <thead> <tr> <th>women</th> <th>men</th> <th>boys</th> <th>girls</th> </tr> </thead> <tbody> <tr> <td>13%</td> <td>12%</td> <td>35%</td> <td>?</td> </tr> </tbody> </table>	women	men	boys	girls	13%	12%	35%	?
women	men	boys	girls						
13%	12%	35%	?						
7 A 12-day holiday started on Friday 26 March. On which day and date did the holiday end?	Tuesday 6 April								
8 A bath when $\frac{5}{8}$ full holds 60 litres. How many litres does it hold when a $\frac{1}{8}$ full b $\frac{3}{4}$ full?	a 12l b 72l								
9 The price of a ticket is increased from £1 to £1.18. What is the percentage increase?	18%								
10  The radius of the inner circle is 56mm and the shaded ring is 16mm wide. Find in centimetres the diameter of the outer circle.	14.4cm								
11 The dimensions of a triangle are base 15cm, height 12cm. Find the area of the triangle.	90 cm^2								
12 a How many cm cubes fit exactly into the bottom of the box? b How many of these layers are required to fill the box?	a 45 b 6								
									

A	Answer
1 $5 \times 10^3 =$	5000
2 $2.805\text{l} = \text{ml}$	2805ml
3 $£0.07 \times 50 = £$	£3.50
4 $44\text{mm} + 28\text{mm} + 32\text{mm} = \text{cm}$	10.4cm
5 $\frac{7}{8}$ of 640 =	560
6 $1\frac{3}{4}\text{kg} - \text{g} = 1.2\text{kg}$	550g
7 $(0.25 \times 4) \div 100 =$	0.01
8 5% of 3000 =	150
9 a $\frac{6}{25} = \frac{\quad}{100} = \%$ b $\frac{9}{20} = \frac{\quad}{100} = \%$	a $\frac{24}{100} = 24\%$ b $\frac{45}{100} = 45\%$
10 $0.46 + \quad = 0.505$	0.045
11 $3\text{m } 40\text{cm} \times 7 = \text{m}$	23.8m
12 $£34 \div 8 =$	£4.25

B	Answer
1 How many fifties are there in one hundred thousand?	2000
2 1 tonne = 1000kg. Write in tonnes a 2050kg b 800kg.	a 2.05 tonnes b 0.8 tonnes
3 Write 59-sixths as a an improper fraction b a mixed number.	a $\frac{59}{6}$ b $9\frac{5}{6}$
4 Find the missing numbers in the sequence. 3.65, 3.8, 3.95, , ,	4.1 4.25
5 Find in degrees the difference between the temperatures 7°C and -8°C.	15°
6 100 pencils cost £7.00. Find the cost of a 1 pencil b 30 pencils.	a 7p b £2.10
7  Find $\angle ADC$ $\angle BCD$.	53° 127°
8 What percentage is a £7 of £20 b 28kg of 40kg?	a 35% b 70%
9 How many days inclusive are there from 27 May to 9 June?	14
10 30% of a sum of money is 27p. a Find 10% of the money. b Find 100% of the money.	a 9p b 90p
11 Divide £2.00 by 7. Give the answer to the nearest penny.	29p
12 Which year is represented by MMXIX?	2019

C	Answer
1 The population of a city increased from $\frac{3}{4}$ million to 1.1 million. Write in digits the number by which the population increased.	350000
2 A box of doughnuts weighs 400g. a How many boxes can be made from 3.5kg? b How many grams are left?	a 8 b 300g
3 In one week Mark drove 503.6km. Find to the nearest kilometre his mean average daily journey.	72km
4 Which of these numbers do not change in value if the zeros are omitted? 0.740 3.016 0570 0.364	0.740 0.364
5  The perimeter of a regular pentagon is 36cm. Find in millimetres a the length of one side b the length of one side of a regular octagon of the same perimeter.	a 72mm b 45mm
6 In a test, Luca scored 87% of a possible mark of 200. How many marks did he lose?	26
7 Nadeen's date of birth is 20/04/14. She is 1 year 9 months younger than Emma. What is Emma's date of birth?	20/07/12
8  ABC is a right-angled triangle. Find the exterior angles marked x and y.	$\angle x = 142^\circ$ $\angle y = 128^\circ$
9 1l of water has a mass of 1kg. If a jar contains 5650ml of water, find the mass of the water to the nearest $\frac{1}{2}$ kg.	5.5kg
10 William's wage was increased from £120 to £132 per week. Find the increase a as a fraction in its simplest form b as a percentage of the original wage.	a $\frac{1}{10}$ b 10%
11 The mass of an empty box is 870g. This is $\frac{3}{10}$ of its total mass when filled with fruit. Find its total mass in kilograms.	2.9kg
12 A roll of carpet is 50cm wide. Find the length required to cover a surface which measures 8.5 m^2 .	17m