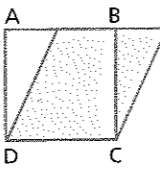


A	Answer
1 Write in digits 1.25 million.	1 250 000
2 $£1.06 + 7p + 94p = £$	£2.07
3 $1.35\text{kg} - 900\text{g} = \text{g}$	450g
4 $4.139 = 4 + \frac{\quad}{100} + \frac{\quad}{1000}$	$\frac{13}{100} + \frac{9}{1000}$
5 $2\frac{3}{8} \times 5 =$	$11\frac{7}{8}$
6 $10\,000 \div 8 =$	1250
7 $2\text{h } 15\text{min} - 50\text{min} = \text{h } \text{min}$	1h 25min
8 $\frac{7}{10}$ of $£1.60 =$	£1.12
9 $0.85 = \frac{\quad}{100} = \frac{\quad}{20}$	$85\% = \frac{17}{20}$
10 $46\text{cm} \times 30 = \text{m}$	13.80m
11 a 3% of $£1 = \text{p}$ b 12% of $£1 = \text{p}$	a 3p b 12p
12 $\frac{2\,250\text{ml}}{5} = \text{ml}$	450ml

B	Answer
1 Multiply the difference between 1.8 and 2.5 by 6.	4.2
2 What is the mean in millilitres of $\frac{1}{4}\text{l}$ and 150ml?	300ml
3 How many times can a length of 15cm be cut from 4.5m?	30
4 What percentage of a 30 is 15 b $£1$ is 23p?	a 50% b 23%
5 Find the two missing numbers in this sequence. $4\frac{1}{2}, 4\frac{1}{8}, 3\frac{3}{4}, \quad , \quad$	$3\frac{5}{8}, 3$
6 $\frac{1}{2}\text{l}$ of vinegar costs $£1.20$. Find the cost of 200ml.	48p
7 Write the 24-hour clock time which is 27min later than 23:36.	00:03
8 The total mass of nine equal packets is 6kg 750g. Find in grams the mass of one packet.	750g
9 5% of a sum of money is $£0.65$. What is the whole amount?	£13
10 By how many tenths is $6\frac{1}{5}$ greater than $5\frac{1}{2}$?	$\frac{7}{10}$
11 If 1m is divided into seven equal parts, what is the length of each part to the nearest centimetre?	14cm
12 The area of a rectangle is 205cm^2 . Its width is 10cm. Find its length.	20.5cm

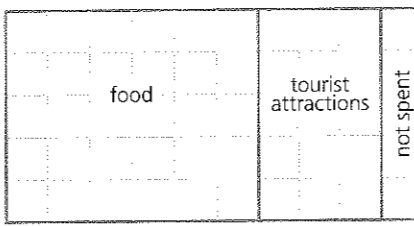
C	Answer
1 How many thousandths must be added to 4.206 to make 5? Write the answer as a decimal.	0.794
2 Freya saves 8p per week for a year. How much are her total savings?	£4.16
3 A train journey takes 2h 35min. If a train arrives at 21:05, what was the time of its departure?	18:30
4 There are 50 sheets of paper in a pack. How many packs can be made from twenty thousand sheets?	400

5  ABCD is a square with sides measuring 9cm. Find
a the area of the square a 81cm^2
b the area of the shape which is shaded. b 81cm^2

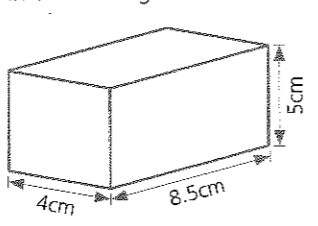
6 The price of a radio is $£60$. By how much is its price increased if it is paid for in eight equal instalments of $£9$ each?	£12
7 A car travelled at an average speed of 90km/h for $1\frac{1}{2}\text{h}$. What distance did it travel?	135km

8 The diagram shows how Emma's holiday money is spent during a week in France. What percentage is spent on

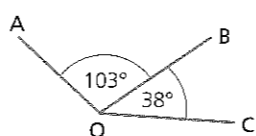
a food	a 60%
b tourist attractions?	b 30%
c If the total holiday money is $£125$, how much is not spent?	c $£12.50$

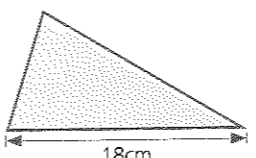


9 Three bananas have a mass of 400g. How many bananas will give a mass of 2.4kg?	18
10 Nathan spent $\frac{1}{4}$ of his money on sweets and $\frac{1}{2}$ of the remainder on bus fares. What fraction of his money was left?	$\frac{1}{4}$
11 Find the difference between $7 + 3 \times 5$ and $(7 + 3) \times 5$.	28
12 Find a the area of the bottom of the box a 34cm^2 b the volume of the box. b 170cm^3	

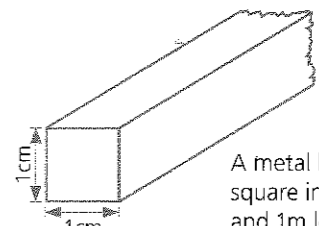


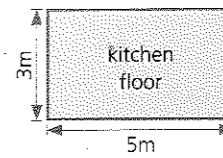
A	Answer
1 $3^4 = 3 \times 3 \times 3 \times 3 =$	81
2 $6:09 \times 7 =$	42.63
3 three 10ps + seven 5ps = $£0.73 - \text{p}$	8p
4 20% of 3kg 600g = g	720g
5 $\frac{3}{10} + \frac{7}{10} + \frac{9}{10} =$	$1\frac{9}{10}$
6 $\frac{9072}{9} =$	1008
7 $1.750\text{l} - \text{ml} = 800\text{ml}$	950ml
8 $x + x + x + x = 108$. Find the value of x.	27
9 $£2.08 = \text{ps}$	104 2ps
10 $285\text{min} = \text{h } \text{min}$	4h 45min
11 a $\frac{4}{5} = \frac{\quad}{100} \%$ b $\frac{3}{10} = \frac{\quad}{100} \%$	a 80% b 30%
12 $(3 \times 56p) + (2 \times 56p) =$	£2.80

B	Answer
1 Write as a decimal the sum of 7 tenths and 39 hundredths.	1.09
2 Write the year 2016 using Roman numerals.	MMXVI
3 By how many grams is 2.345kg less than $2\frac{1}{2}\text{kg}$?	155g
4  Calculate the reflex angle AOC.	219°
5 What is the annual interest on $£650$ at 5%?	£32.50
6 A car travels 28km in 30min. Find its speed in km/h.	56km/h
7 Write in digits the date a 6 months later than 1 Oct. 03 b 4 months before 1 Mar. 96.	a 01/04/04 b 01/11/95
8 750ml of vegetable oil cost 72p. Find the price per litre.	96p
9 A shelf measures 5m long and 20cm wide. Find its area in m^2 .	1m^2
10 What is the missing amount of money? $\begin{array}{r} 1.09 \\ 8 \overline{) £ \Delta \Delta \Delta \Delta} \end{array}$	£8.72
11 Approximate a 199 503 to the nearest 1000 b 7kg 350g to the nearest $\frac{1}{2}\text{kg}$.	a 200 000 b 7.5kg

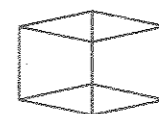
12  The base of this triangle is double the height. Find the area of the triangle. 81cm^2

C	Answer
1 A bottle holds 150ml. Find in litres the contents of 20 bottles.	3l
2 300 people attended a concert. 63% were adults and the remainder children. a What percentage were children? a 37% b How many adults were present? b 189	
3 The mean height of three children is 130cm. The heights of two of the children are 105cm and 140cm respectively. Find the height of the third child.	145cm
4 Find the change from $£2$ and 50p after spending 93p, $£1.17$ and 28p.	12p
5 $1.8 \times 0.7 = 1.26$ Now write the answers to a 0.18×0.7 a 0.126 b 1.8×70 b 126	

6  A metal bar is 1cm square in section and 1m long.
a How many cm cubes can be cut from it? a 100
b Write the volume of the bar in cm^3 . b 100cm^3

7 The price of 250g of butter was increased from 60p to 66p. Find the increase as a percentage of the original price.	10%
8 A plan is drawn to the scale of 1mm to 50m. What distance in kilometres is represented by a line 10cm long?	5km
9 Eight kittens of equal mass together have a mass of 7kg 400g. a Find the mass in grams of four of the kittens. a 3700g b What fraction of the total mass is the mass of three of the kittens? b $\frac{3}{8}$	
10  How many tiles each 10cm square are required to cover the kitchen floor? 1500	

11 Five magazines cost $£3.78$. Find the cost of one magazine to the nearest penny. 76p

12  A skeleton model of a 6cm cube is made by fastening together lengths of straws. Find the total length required. 72cm