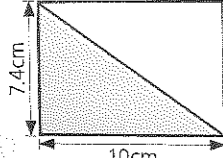


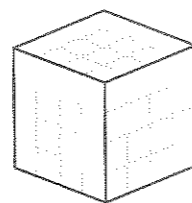
SECTION 2 | Test 5

A	Answer
1 $20000 = 20 \times 10 \times$	100
2 $0.817 = 8 \text{ tenths} +$ thousandths	17 thousandths
3 $57 \times 70 =$	3990
4 $0.3 \times 6 =$	1.8
5 $24 - (18 \times 0) =$	24
6 $£20.36 =$ 10ps + 6p	203 10ps
7 $\frac{4}{5} - \frac{1}{2} =$	$\frac{3}{10}$
8 $65\text{ml} \times 100 =$ l	6.5l
9 $2.6\text{cm} + 3.9\text{cm} =$ mm	65mm
10 $£ \times 9 = £40.50$	£4.50
11 $1.5\text{kg} - 280\text{g} =$ g	1220g
12 $0.9 + 0.9 =$	1.8

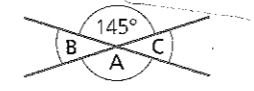
B	Answer
1 Write as a decimal 1035 thousandths.	1.035
2 Approximate 59.7p to the nearest 1p.	60p
3 a $\frac{9}{10} = \frac{90}{100}$ b Write the fraction as a decimal.	a $\frac{90}{100}$ b 0.9
4 Which two of these angles when added together make two right angles? 67° 103° 87° 113°	67° 113°
5 How many times is 0.48 less than 480?	1000
6 Find in millimetres the value of the digit underlined. 7.0 <u>7</u> 5m	5mm
7 9 out of 25 = out of 100	36
8 How much change out of a £5 note after spending £1.46?	£3.54
9 $\frac{1}{2}$ kg of tomatoes costs 80p. Find the cost of 100g.	16p
10 What fraction of $\frac{1}{4}$ l is 150ml?	$\frac{3}{5}$
11 Which of these fractions is between one-half and one-quarter in size? $\frac{3}{5}$ $\frac{2}{3}$ $\frac{7}{10}$ $\frac{3}{8}$	$\frac{3}{8}$

12  Find the area of
a the rectangle a 74cm^2
b the shaded triangle. b 37cm^2

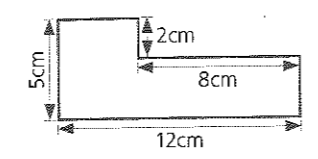
C	Answer
1 How many bottles each holding $\frac{1}{4}$ l can be filled from $7\frac{1}{2}$ l?	30
2 A packet of 100 sheets of paper costs £2.30. Find the cost of 150 sheets.	£3.45
3 Take the least of these decimal fractions from the greatest. 0.84 0.9 0.865 0.897	0.06
4 Lauren swims 15 lengths of the pool which is 20m long. How many metres short of $\frac{1}{2}$ km does she swim?	200m

5  The large cube is made from a number of centimetre cubes.
a How many centimetre cubes are there? a 64
b $4^3 =$ b 64

6 Ryan saved 60p which was $\frac{5}{6}$ of his pocket money. How much was all his pocket money?	72p
7 2.8kg of coffee was put into 10 packets of equal mass. How many grams of coffee were there in each packet?	280g
8 Find the size in degrees of $\angle A$ 145° $\angle B$ 35° $\angle C$ 35°	



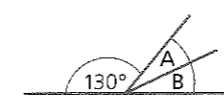
9 The total cost of two full-price tickets and one half-price ticket was £55. Find the cost of a one full-price ticket a £22 b one half-price ticket. b £11	
10 What is the area in m^2 of a rectangular path which is 29m long and 50cm wide?	$14\frac{1}{2}\text{m}^2$
11 Emma ran 9.875km in an afternoon. Round this distance to the nearest a kilometre a 10km b tenth of a kilometre. b 9.9km	
12 Find a the perimeter of the shape a 34cm b its area. b 44cm^2	



Mental Arithmetic 4 Answers

A	Answer
1 $1200 \div 30 =$	40
2 $7p + 5p + 8p + 25p =$	45p
3 $(7 \times 9) - (8 + 5) =$	50
4 $\frac{6}{25} = \frac{24}{100}$	$\frac{24}{100}$
5 $900\text{g} + 500\text{g} =$ kg	1.4kg
6 $4.908 = 4 + \frac{9}{10} + \frac{8}{1000}$	$4 + \frac{9}{10} + \frac{8}{1000}$
7 $£0.86 - 19\text{p} =$ p	67p
8 $2\text{km} - 540\text{m} =$ m	1460m
9 $0.09 + 0.06 =$	0.15
10 $250\text{ml} \times 6 =$ l	1.5l
11 $2\text{m } 80\text{cm} \div 4 =$ cm	70cm
12 $180^\circ - (63^\circ + 57^\circ) =$	60°

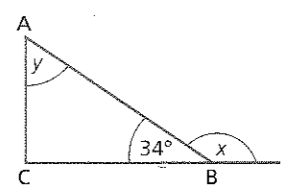
B	Answer
1 Write as a decimal the total of 200, $6\frac{7}{10}$ and $\frac{9}{1000}$.	206.709
2 From the product of 7 and 9 take their sum.	47
3 Write as a fraction and simplify a 9 out of 30 a $\frac{3}{10}$ b 24 out of 40. b $\frac{3}{5}$	
4 How many days altogether are there in the months of April and May?	61
5 Find in grams the value of the digits underlined. 4.0 <u>7</u> 5kg	75g
6 What must be added to 9.45 to make 10?	0.55
7 Change to decimal fractions. a $\frac{27}{50}$ a 0.54 b $\frac{9}{20}$ b 0.45	

8  $\angle A = \angle B$
Find the size of each angle. 25°

9 Divide £2.75 by 10 and write the answer to the nearest penny.	28p
10 Find the cost of 1.2m of tape at 40p per metre.	48p
11 Take 6 thousandths from 0.897.	0.891
12 Find in centimetres the perimeter of an equilateral triangle, the sides of which measure 27mm.	8.1cm

SECTION 2 | Test 6

C	Answer
1 By how many is 8^2 greater than 3^3 ?	37
2 Approximate 25928 a to the nearest 1000 a 26000 b to the nearest 100. b 25900	
3 Find the date which is nine days after 26 September.	5 October
4 Round 3.52 to the nearest whole number.	4
5 What is the difference in millilitres between the largest and smallest of these quantities? $\frac{1}{2}$ l 450ml $\frac{3}{5}$ l 620ml	170ml

6  ABC is a right-angled triangle. Find in degrees
a the angle marked x a 146°
b the angle marked y. b 56°

7 A length of plastic strip 54cm long is cut into two pieces so that one is five times as long as the other. What is the length of each piece?	45cm 9cm
8 George spent €80 which was $\frac{2}{5}$ of his savings. How much in savings did he have to begin with?	€200
9 On a coordinate grid point A is at (2, 0) but it is then moved three squares to the right and one square up. What are its new coordinates? (5, 1)	
10 A 5p coin has a mass of 3.25g. Find in grams the mass of forty 5ps.	130g
11 A circular tin has a diameter of 6.4cm. What is a the length and b the width of the smallest rectangular tray which would contain a single row of 8 tins? a 51.2cm b 6.4cm	
12 Hannah stopped for coffee at a café. a How far from home was the café? a 4km b At what time did she stop for coffee? b 10:00	

