

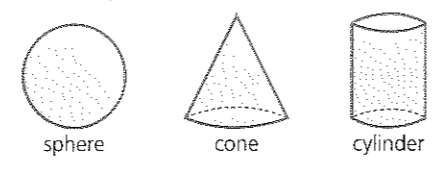
SECTION 3 | Test 9

Schofield & Sims

A	Answer
1 $2300 + 970 + 1700 =$	4970
2 $\frac{7}{8} \div 7 =$	$\frac{1}{8}$
3 70% of $360^\circ =$	252°
4 $(15 \times 8) \div 6 =$	20
5 $379\text{m} + 221\text{m} =$ km	0.6km
6 $\frac{£2.50 \times 12}{6} =$ £	£5.00
7 a $\frac{1}{2}l + x\text{ml} = 615\text{ml}$. Find x. b $\frac{1}{2}l - 368\text{ml} = y\text{ml}$. Find y.	a 115ml b 132ml
8 a $0.3 \times 0.2 =$ b $0.06 \div 0.2 =$	a 0.06 b 0.3
9 $\frac{1}{4} + \frac{5}{16} =$	$\frac{9}{16}$
10 $2.475\text{m} \div 9 =$ mm	275mm
11 Subtract 17 from 9.	-8
12 $24.8 \times 1.6 =$ $248 \times 16 = 3968$	39.68

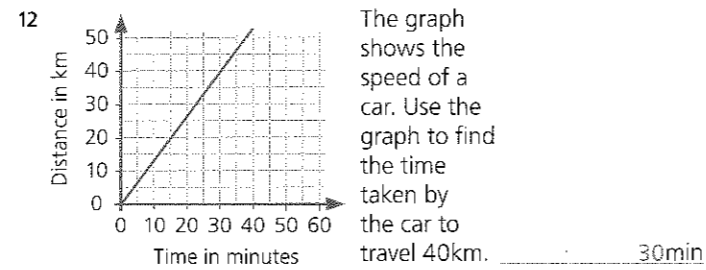
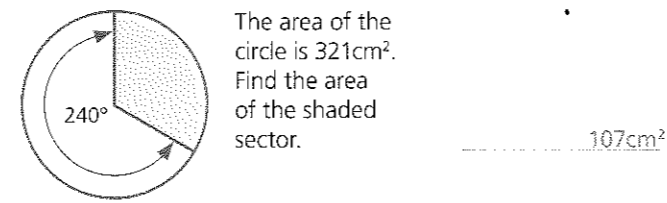
B	Answer
1 How many quarters are there in 36?	144
2 Write as a fraction in its simplest form. a $\frac{4}{1000}$ b $\frac{45}{1000}$ c $\frac{28}{1000}$ a $\frac{1}{250}$ b $\frac{9}{200}$ c $\frac{7}{250}$	
3 1kg costs £4.00. Find the cost of 700g.	£2.80
4 Find the product of 20 and 0.005.	0.1
5 How many centimetres remain when 268cm are taken from 3.4m?	72cm
6 Write to the nearest second decimal place. a 53.176 b 24.694	a 53.18 b 24.69
7 Find the mean of 1.1, 2.3 and 0.8.	1.4
8 Share 3kg in the ratio 1:4.	0.6kg 2.4kg
9 Which year is MDCXXXII?	1632
10 Find the area in cm^2 of a square of side 11cm.	121 cm^2
11 Which two numbers have a sum of 20 and a product of 36?	2 18
12 Deduct $(£1.15 \times 3)$ from $(£18 \div 5)$.	15p

C	Answer
1 The approximate population of a city is 1.2 million. The actual population is 1 207 806. Find the difference.	7806
2 Two parcels together have a mass of 18.5kg. One of them is 4kg heavier than the other. Find the mass of each parcel.	7.25kg 11.25kg
3 Which of these shapes will have a circular face when cut horizontally, and a rectangular face when cut vertically?	cylinder
4 In a class of 30 children 12 were absent. Write the number absent as a a fraction in its simplest form b a ratio.	a $\frac{2}{5}$ b 2:5
5 A bagel costs 35p. How many can be bought for £7.00?	20



6 VWYZ is a rhombus. WXY is an isosceles triangle. Find a $\angle WYZ$ b $\angle VWY$ c $\angle ZVW$.	a 112° b 68° c 112°
--	--

7 Tom has 95p and Sophie has 73p. How much must Tom give to Sophie so that each has the same amount?	11p
8 If 1 July falls on a Thursday how many Saturdays will there be in that month?	5
9 One child in every four in a school of 200 walks to school. a What percentage do not walk to school? b How many walk to school?	a 75% b 50
10 Write the coordinates of the point (3, 5) when reflected in the x-axis.	(3, -5)



Mental Arithmetic 5 Answers

A	Answer
1 $£1.20 \times 3\frac{1}{2} =$	£4.20
2 $\frac{2.64 + 3.36}{2} =$	3
3 $2.25\text{ml} - (250\text{ml} \times 6) =$ ml	750ml
4 $\frac{20}{24} \div 25 =$	$\frac{1}{30}$
5 $1200\text{km} - (320\text{km} + 280\text{km} + 335\text{km}) =$	265km
6 a $\frac{1}{8} =$ % b $\frac{3}{8} =$ %	a 12.5% b 37.5%
7 $9.8 \div 4 =$	2.45
8 $£5.00 - £ =$ £2.82	£2.18
9 $£6 \times \frac{2}{5} =$	£2.40
10 $9x = 33 + 48$. Find the value of x.	9
11 Find the cost of 30cm at £1.80 per metre.	54p
12 $\frac{1}{7}$ of 4kg 60g = g	580g

B	Answer
1 Add $\frac{3}{4}$ of 28 to $\frac{7}{8}$ of 56.	70
2 $(4 \times 10^3) + (2 \times 10^2) =$	4200
3 Increase £3.00 by 7%.	£3.21
4 Write $\frac{3}{8}$ as a decimal fraction.	0.375
5 Find the total mass in kilograms of these amounts of water. 2.7l 95ml 3.4l	6.195kg
6 One pear costs 17p. Find the cost of a 10 b 1000.	a £1.70 b £170
7 A rhombus has an area of 100cm^2 . Its base is 5cm. Find its height in millimetres.	200mm
8 Approximate 4635 000 to a the nearest 1 000 000 b the nearest 100 000.	a 5 000 000 b 4 600 000
9 Write the year 1916 using Roman numerals.	MCMXVI
10 Find the difference in hundredths between 100×0.016 and 100×0.017 .	10 hundredths
11 Express $43 \div 5$ as a a mixed number b a decimal.	a $8\frac{3}{5}$ b 8.6
12 Multiply £1.50 by 52.	£78.00

SECTION 3 | Test 10

C	Answer
1 A cask holds 20.75l of water. The mass of the cask when empty is 850g. Find the mass of the cask when it is full.	21.6kg
2 A is the centre of the circle. a Name the triangle ABC by its sides. b Calculate the angle at B.	a isosceles b 35°
3 Six pairs of socks cost £8.37. Find to the nearest penny the cost of one pair of socks.	£1.40
4 There are 4.545l of shampoo in a plastic container. The shampoo lasts for nine weeks. How many millilitres are used on average per week?	505ml
5 There was 87p change from £3 after buying the multipack. Find the cost of each bottle.	71p
6 Find in litres the volume of a one multipack b eight multipacks.	a 2.46l b 19.68l
7 A map is drawn to a scale of 1cm to 1km. How many metres are represented on a map by a line 14mm long?	1400m
8 Find a the area of the triangular end of the prism b the volume of the prism.	a 12cm^2 b 96cm^3
9 A car averaged 8km to a litre of petrol on a four-hour journey of 312km. a How many litres were used on the journey? b What was the average speed?	a 39l b 78km/h
10 The price of a pair of shoes costing £25 increased by £1.25. Write the increase as a percentage.	5%
11 Write the proportion of shaded squares a as a fraction in its simplest form b as a decimal.	a $\frac{3}{16}$ b 0.3
12 Matthew arrived at a hotel on 29 October and left on 3 November. The charge for the room was £10.50 per night. What was the total cost of the room?	£52.50