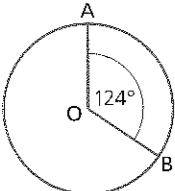


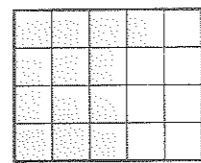
### SECTION 3 | Test 3

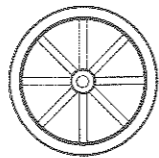
Schofield & Sims

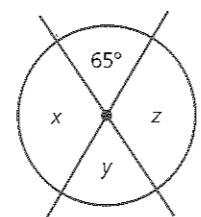
A	Answer
1 $50 \times 10 \times 1000 =$	500 000
2 $1.2\text{km} - 900\text{m} =$ m	300m
3 $48\text{p} \times 7 =$ f	£3.36
4 $29 + 25 = 6 \times$	9
5 $5 - 3\frac{3}{8} =$	$1\frac{5}{8}$
6 75% of €10 =	€7.50
7 $3\text{kg} \div 8 =$ g	375g
8 a $0.45 =$ %	a 45%
b $\frac{11}{50} =$ %	b 22%
9 $400\text{ml} + 250\text{ml} + 500\text{ml} =$ l	1.15l
10 $0.84 =$ thousandths	840 thousandths
11 eight 5ps + 2ps = 60p	10 2ps
12 $70^\circ + 38^\circ + \text{ }^\circ = 180^\circ$	72°

B	Answer
1 Write in words the number 1 000 000.	one million
2 How much change from £4.00 after spending £3.26?	74p
3 What percentage of 2kg is 500g?	25%
4 Find the cost of 1m 30cm at 80p per metre.	£1.04
5 What is the difference in millimetres between 3.9cm and 4.6cm?	7mm
6 Divide the sum of 38 and 27 by 5.	13
7  Find the reflex angle at O.	236°
8 What is the time in hours and minutes from 10.15 a.m. to 12.05 p.m.?	1h 50min
9 How many times is 300ml contained in 1.8l?	6
10 The total mass of five parcels is 2kg 400g. Find the average mass of the parcels.	480g
11 What fraction in its simplest form is equal to a 15% b 4%?	a $\frac{3}{20}$ b $\frac{1}{25}$
12 Find the answer to CMX - LIV and write the answer using Roman numerals.	DCCCLVI

C	Answer
1 Faye wrote the total of £2.50, £3.50 and £2.75 as £9.25. By how much was her total wrong?	50p
2 Complete the set of square numbers between 10 and 101 by finding $x$ and $y$ . $S = \{16, 25, 36, x, 64, y, 100\}$	$x$ 49 $y$ 81
3 1l of water has a mass of 1kg. Find the mass of 850ml of water.	850g
4 A plan is drawn to a scale of 1mm to 50m. What length in metres does a line measuring 5cm on the plan represent?	2500m
5 Write the part which is shaded	



a as a fraction	a $\frac{13}{20}$
b as a fraction with the denominator 100	b $\frac{65}{100}$
c as a decimal	c 0.65
d as a percentage.	d 65%
6 Chloe gave a 50p and a 20p to pay for an item which cost 57p. How much change did she receive?	13p
7 A rectangle measures 10cm by 6cm. Find the length of another rectangle of the same area if its width is 4cm.	15cm
8 $18 \times 56 = 1008$ . How many more than 1008 is $18 \times 59$ ?	54
9  The circumference of the wheel is 248cm. Find the distance travelled in metres in making 100 turns.	248m
10 The mass of a parcel is 10kg. 5% of its mass is for packing. Find in kilograms and grams the mass of the contents.	9kg 500g
11 10 muffins cost £6.28. Find to the nearest penny the cost of one muffin.	63p

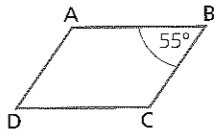

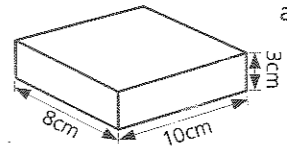


12 Find the size in degrees of $\angle X$ , $\angle Y$ , $\angle Z$ .	
$\angle X$	115°
$\angle Y$	65°
$\angle Z$	115°

### Mental Arithmetic 4 Answers

A	Answer
1 $2.5\text{m} + 43\text{cm} =$ cm	293cm
2 $£0.96 =$ eight 2ps + 20ps	4 20ps
3 Write in digits $\frac{1}{2}$ million.	500 000
4 $\frac{4}{5} =$ %	80%
5 $\frac{5}{8} + \frac{1}{2} + 2 =$	$3\frac{1}{8}$
6 $1.35\text{l} =$ ml	1350ml
7 $150 \div 8 =$ r	18 r 6
8 $4.38 \times 6 =$	26.28
9 $£1.94 - 86\text{p} =$ £	£1.08
10 5% of 300g =	15g
11 $\frac{9}{10}$ of £4.00 =	£3.60
12 $1.05\text{km} + \text{ } \text{m} = 2\text{km}$	950m

B	Answer
1 Write as a decimal, fourteen units plus seventeen thousandths.	14.017
2 How many pennies remain when £1.11 is divided by 9?	3p
3 Find the product of 0.05 and 8.	0.4
4 What fraction in its simplest form is a 40min of 1 hour b 300ml of $\frac{1}{2}$ l?	a $\frac{2}{3}$ b $\frac{3}{5}$
5 a Write the date which is 7 months later than 1 September 14. b How many days are there in that month?	a 1 April 15 b 30
6 Find the cost of 1kg 200g at 50p per $\frac{1}{2}$ kg.	£1.20
7 a 20% of £4.50 b 60% of £4.50	a 90p b £2.70
8 How many times greater than 3.04 is 3040?	1000
9 A car travels at 54km per hour. How far does it travel in 30min?	27km
10 Which of these angles are reflex angles? 105° 70° 190° 175° 210°	190° 210°
11 Approximate a 5050 to the nearest 100 b 29632 to the nearest 1000.	a 5100 b 30 000
12 The area of a rectangle is 60m <sup>2</sup> . Its length is 8m. Find the width of the rectangle.	7.5m

C	Answer
1 The heights of three children are 140cm, 160cm and 135cm. Find the average height in metres and centimetres.	1m 45cm
2 A car travels 170km on 20l of petrol. How many kilometres per litre?	8.5km
3 A letter was posted in Australia on 24 October and delivered in Britain on 4 November. For how many days was it in the post? Include the day of posting.	12 days
4 Three sweets cost 27p. Find the cost of seven sweets.	63p
5 Write each of these numbers so that the value of the digit 6 is 6 hundredths. a 306 b 463 c 2586	a 3.06 b 0.463 c 25.86
6 ABCD is a parallelogram and $\angle ABC$ is 55°. What is the size of  $\angle ADC$ $\angle DAB$ $\angle BCD$ ?	55° 125° 125°
7 A rectangular field 150m wide required 800m of fencing to enclose it. How long is the field?	250m
8 A 5p coin weighs 3.25g. By how many grams is the mass of a £5 bag of 5ps greater than $\frac{1}{4}$ kg?	75g
9  Find a the 10% reduction b the new price.	a £8.70 b £78.30
10 A rectangular piece of paper with length 21cm and width 30cm is folded diagonally in half and cut. What is the area of each triangle produced?	315cm <sup>2</sup>
11 On a map the distance between two towns is 60mm. If the map was drawn to the scale 1cm to 5km, find the actual distance between the towns.	30km
12  a How many cm cubes are needed to fill the box? b If the box were 4cm high, find its volume in cm <sup>3</sup> .	a 240 b 320cm <sup>3</sup>