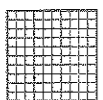
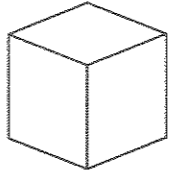
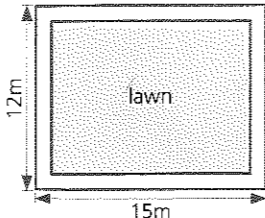


SECTION 2 | Test 7

Schofield & Sims

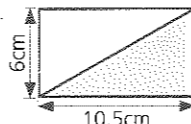
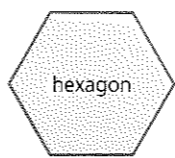
A	Answer
1 Write in digits the number forty thousand six hundred and five.	40 605
2 $(55 - 8) - (7 \times 0) =$	47
3 12 weeks = \square days	84 days
4 $\frac{3}{10}$ of $1\frac{1}{2}$ l = \square ml	450ml
5 Write as a decimal fraction.	
a $\frac{59}{100}$	a 0.59
b $\frac{7}{100}$	b 0.07
6 $0.21 - 0.15 =$	0.06
7 $5.405\text{m} = \square$ mm	5405mm
8 four 20ps + nine 2ps = \pounds	£0.98
9 a $0.45 = \frac{\square}{100}$	a $\frac{45}{100}$
b $0.08 = \frac{\square}{25}$	b $\frac{2}{25}$
10 $208\text{g} + 1.5\text{kg} =$ kg	1.708kg
11 $p \times 6 = \pounds 4.56$	76p
12 $\frac{755}{7} = \square$ r	107 r 6

B	Answer
1  a What decimal fraction of the 100 small squares is shaded?	a 0.73
b Write this decimal fraction as a simple fraction.	b $\frac{73}{100}$
2 47 out of 100 = 47 per cent (%). Write as a %	
a 79 out of 100	a 79%
b 4 out of 100.	b 4%
3 By how much is £15 more than fifteen 50ps?	£7.50
4 Find in millilitres the value of the digits underlined. 8. <u>3</u> 05l	305ml
5 Which year is MMXI?	2011
6 How many days are there between 28 November and 7 December?	8
7 89% of a sum of money is spent. What percentage is left?	11%
8 Find the cost of 600g at 50p per $\frac{1}{2}$ kg.	60p
9 The temperature fell 7°C from 4°C. What is the new temperature?	-3°C
10 Approximate	
a 10046 to the nearest 100	a 10000
b 3kg 370g to the nearest 0.5kg.	b 3.5kg
11 Find the change from a £10 note after spending £7.62.	£2.38
12 The area of a rectangle is 47.5cm ² . Its width is 5cm. Find its length.	9.5cm


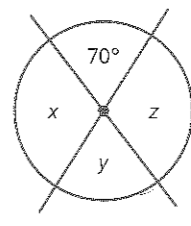
C	Answer
1 Write each of these fractions with a denominator of 100.	
a $\frac{3}{10}$	a $\frac{30}{100}$
b $\frac{2}{5}$	b $\frac{40}{100}$
c $\frac{1}{25}$	c $\frac{4}{100}$
2 A school was built in 1902. For how many years will it have been in use by the year 2020?	118yr
3 What decimal fraction is equal to	
a 57%	a 0.57
b 8%?	b 0.08
4 How many packets each containing 365g can be made from $36\frac{1}{2}$ kg?	100
5 Write the next two decimal numbers in this sequence. 1.75, 2.0, 2.25, \square , \square	2.5 2.75
6 Prices in a shop were increased by $\frac{1}{3}$. Find the new price of articles which cost	
a 48p	a 64p
b 84p.	b £1.12
7 From a watering can holding 10l of water, 2.75l are poured on the plants. Find in litres and millilitres the quantity which remains.	7l 250ml
8  The sides of the cube each measure 5cm. Find the area of	
a one face	a 25cm ²
b all the faces.	b 150cm ²
9 The mean of eight numbers is 12. Find the sum of the eight numbers.	96
10 10 tennis balls cost \$8.40. Find the cost of three tennis balls.	\$2.52
11 30l of orange squash is made by mixing 1 part concentrate with 4 parts water. Find the volume of	
a concentrate	a 6l
b water.	b 24l
12  The path round the lawn is 1m wide. Find the area of the lawn.	130m ²

Mental Arithmetic 4 Answers

A	Answer
1 $50\,000 = 500 \times \square$	100
2 $(27 \div 3) = (\square \div 7)$	63
3 a $\frac{1}{2} =$ out of 100	a 50
$\frac{1}{2} =$ %	50%
b $\frac{1}{4} =$ out of 100	b 25
$\frac{1}{4} =$ %	25%
4 $1\frac{1}{2} - \frac{7}{10} =$	$\frac{8}{10}$ or $\frac{4}{5}$
5 $5\frac{1}{2}$ min = \square s	330s
6 $0.7 \times 5 =$	3.5
7 $\pounds 0.19 \times 6 =$	£1.14
8 $\frac{17}{20} = \frac{\square}{100} =$ %	$\frac{85}{100} = 85\%$
9 $4.385 - 4.325 =$	0.06
10 $\frac{2}{3}$ of 75p =	50p
11 $850\text{g} \times 4 =$ kg	3.4kg
12 $\pounds 4.20 =$ six 50ps + \square 20ps	6 20ps

B	Answer
1 Which of these numbers are multiples of 8?	
\square 36 \square 48 \square 60 \square 72	48 72
2 Write as a percentage. a $\frac{63}{100}$	a 63%
b 0.07	b 7%
3 Write four hundred and two thousand, one hundred and seven in digits.	402 107
4 Find the cost of 750g at 48p per kilogram.	36p
5 What must be added to £4.74 to make £6.00?	£1.26
6 Write in 24-hour clock time a quarter of an hour earlier than 23:10.	22:55
7  Find the area of the right-angled triangle.	31.5cm ²
8 In a class 36% of the children were boys. What percentage were girls?	64%
9 $360^\circ - (80^\circ + 75^\circ + 120^\circ) = \square^\circ$	85°
10 Find to the nearest penny $\frac{1}{8}$ of 95p.	12p
11 Find the mean of these volumes. \square 650ml \square 800ml \square 350ml	600ml
12  What is the perimeter in centimetres of a regular hexagon each side of which measures 58mm?	34.8cm

SECTION 2 | Test 8

C	Answer
1 Write these decimal fractions as percentages.	
a 0.3	a 30%
b 0.07	b 7%
c 0.84	c 84%
2 Leah had in her purse three 50ps, two 20ps and two 5ps. She spent £1.17. How much had she left?	83p
3 Write the product of 0.007 and 4.	0.028
4 What is the value of 1% of	
a £1	a 1p
b 1kg?	b 10g
5 The diagram represents a length of 72m. Find the length represented by the shaded part.	27m
	
6 Shahid spends 38% of his pocket money on bus fares and 24% on books. What percentage of his money remains?	38%
7 1p has a mass of 3.56g. Find the mass in kilograms of £10 of 1p coins.	3.56kg
8  Find the size in degrees of $\angle x$, $\angle y$, $\angle z$.	
$\angle x$	110°
$\angle y$	70°
$\angle z$	110°
9 20 bags of flour were bought for £10.80 and sold at 60p per bag. Find the profit after selling all the bags.	£1.20
10 Round each of these numbers to the nearest whole number.	
a $9\frac{7}{12}$	a 10
b 100.06	b 100
c 4.815	c 5
11 Tom received 2p each time Megan received 3p. How much did they each receive from a total of £2.00?	
Tom	80p
Megan	£1.20
12 How many tiles each 20cm square are needed to cover this surface?	125
