

SECTION 1 | Test 2

Schofield & Sims

A	Answer
1 $154 - 67 =$	87
2 $(4 \times 33) - 33 =$	99
3 Write in digits the number five hundred and five thousand five hundred.	505 500
4 $\frac{3}{8} < 50\%$ True or false?	true
5 Write as a decimal $\frac{5}{100} + \frac{8}{1000}$.	0.058
6 $2.07 - 0.09 =$	1.98
7 $6.4 \div (2.5 - 0.9) =$	4
8 Approximate 8079 to the nearest hundred.	8100
9 a Calculate exactly, then b approximate to 1 decimal place.	a 5.055 b 5.1
10 If $x = 4$ and $y = 3$, find the value of xy .	12
11 $5p = 10$ so $p =$	2
12 $15^2 =$	225

B	Answer
1 $\pounds 1.27 + 55p =$	$\pounds 1.82$
2 What is 6% of $\pounds 40$?	$\pounds 2.40$
3 Change 455g to kilograms.	0.455kg
4 $850\text{cm} + 2.53\text{m} =$	1103cm $= 11.03\text{m}$
5 120 weeks =	2 years 16 weeks
6 Write in kilometres per hour a speed of 18km in 10min.	108km/h
7 Find the area of a footpath 0.8km long and 1.2m wide.	960m^2
8 What size is the interior angle of each corner of a square?	90°
9 Which letters of the word WAIST have more than one axis of symmetry?	I
10 Approximate 1858mm to the nearest metre.	2m

C	Answer
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1 Write down the coordinates of each corner of the trapezium E. (-1, 1)(1, -1)(1, -4)(-1, -6)	
2 Which shape has corner coordinates whose x-values are all positive and whose y-values are all positive?	C
3 Which shape has corner coordinates whose x-values are all positive and whose y-values are all negative?	H
4 Which shape has corner coordinates whose x-values are all negative and whose y-values are all positive?	A
5 Which shape has corner coordinates whose x-values are all negative and whose y-values are all negative?	G
6 Write down the coordinates of the corner of square D that has the most negative y-value. (-4, -3)	
7 Write down the coordinates of the corner of square D that has the most negative x-value. (-6, -1)	
8 Which shape has the same area as H?	D
9 Which shape has half the area of B?	F
10 Which shape has one side that passes through the origin?	E
11 The coordinates of one corner of shape B have a y-value that is twice the corresponding x-value. Write down the coordinates of this corner. (2, 4)	
12 The x-value and the y-value of the coordinates of two corners of shape H add up to zero. Write down the coordinates of these two corners. (2, -2)(5, -5)	

Mental Arithmetic 6 Answers

A	Answer
1 $154 \times 7 =$	1078
2 $(56 + 35) \div 7 =$	13
3 Write in digits the number three-quarters of a million.	750 000
4 $17\% > 0.17$ True or false?	false
5 Write as a decimal $\frac{15}{100} + \frac{15}{1000}$.	0.165
6 $6.5 \times 20 =$	130
7 $1.5 + (0.75 \times 4) =$	4.5
8 Approximate 6.29 to the nearest tenth.	6.3
9 a Calculate exactly, then b approximate to 1 decimal place.	a 6.018 b 6.0
10 If $p = 3$ and $q = 8$, find the value of $3p + 2 - q$.	3
11 $\frac{a}{5} = 15$ so $a =$	75
12 $\sqrt{25} = 5$ Find the value of $\sqrt{64}$.	8

B	Answer
1 $91p - 55p + 14p =$ <i>Bidmas = 22</i>	$\pounds 0.50$
2 Find 0.5% of $\pounds 7000$.	$\pounds 35$
3 Change 650ml to litres.	0.65l
4 $2148\text{mm} + 967\text{mm} =$	$3\text{m } 115\text{mm}$ $= 3.115\text{m}$
5 65 decades =	650 years
6 A car travels 27.4km in 20min. Find its speed in kilometres per hour.	82.2km/h
7 What size is the circumference of a circle of 80m diameter? $\pi = 3.14$	251.2m
8 At what angle do the diagonals of a square cross each other?	90°
9 Which letters of the word MONEY have one, and only one, axis of symmetry?	M E Y
10 There are 12 inches in a foot. Approximate 88 inches to the nearest foot.	7ft

SECTION 1 | Test 3

C	Answer
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Nathan wants to make a bookcase for his bedroom. It will be 110cm high and will contain four rows of books. Each shelf will be 55cm long.

The planks of wood cost $\pounds 3.00$ per metre and can be bought in lengths of 250cm.

The planks are 20cm wide and 2cm thick.

1 What will it cost to buy each plank of wood?	$\pounds 7.50$
2 How many planks will be needed for the two sides?	1
3 How many planks will be needed for the top, bottom and the shelves?	2
4 What is the total number of planks needed to make the bookcase?	3 <i>21</i>
5 How much will it cost to buy all the wood needed to make the bookcase?	$\pounds 22.50$ $\pounds 15$
6 How wide will the finished bookcase be, allowing for the thickness of the sides?	22.50 59cm
7 What will be the total length of the shelves on which books can be placed?	220cm
8 If the shelves are evenly spaced what is the size of the tallest book that will fit on the shelf?	25cm
9 Nathan has a lot of books that are 25mm thick. How many of these books will fit on each shelf?	22
10 How many of these books will fit into the whole bookcase?	88
11 What is the total length of wood used to make the bookcase?	495cm
12 Approximately what length of wood will Nathan have left over in total?	255 <i>5cm</i> 255cm