Year 7

Mathematics

Foundation: No calculator allowed

Time allowed: 45 minutes

First name	
Middle name	
Last name	

Date of birth	Day		Month		Year	

Teacher	

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White Rose Maths
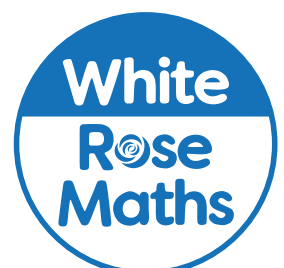
1

2   6   9   15   24

From the list, write down these numbers.

the multiple of 12

1 mark

the square number

1 mark

the prime number

1 mark

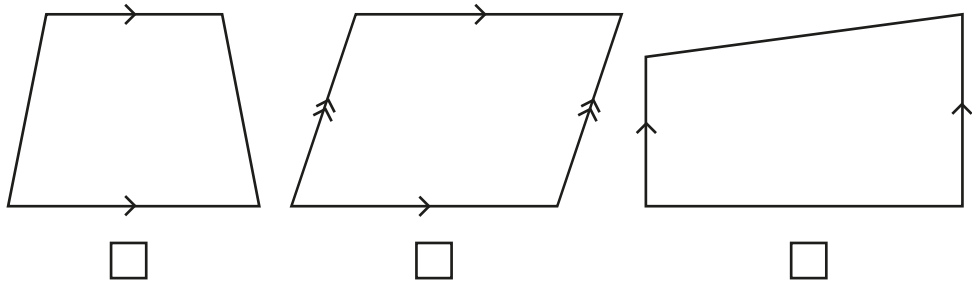**2**   Find the next term in each sequence.

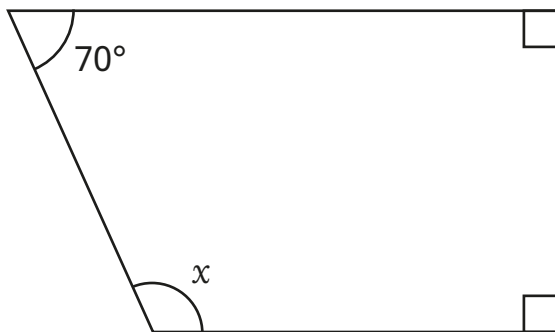2,   4,   8,   16,

1 mark

13,   9,   5,   1,

1 mark

3

Tick the quadrilateral that has two pairs of parallel sides.

☐   ☐   ☐

Work out the size of the angle marked x.

70°

x

°

Complete the statement.

Adjacent angles on a straight line add up to _____

4 Simplify the expressions.

$y + y + y + y$

_____
1 mark

$3a + 5b + 2b - a$

_____
2 marks

$4w \times 3w$

_____
2 marks

5 Write four thousand and seventy-six in figures.

1 mark

Round 4.519 to the nearest integer.

1 mark

Round 4.519 to 1 significant figure.

1 mark

6 Draw a circle with a radius of 4 cm.

2 marks

7 Complete the calculations.

$325 + 99 = 325 + \boxed{} - 1$

$325 + 99 = \boxed{} + 100$

2 marks

8 Five teams take part in a quiz.

Here are their scores.

15   11   14   7   13

Work out the range of the scores.

1 mark

Work out the mean score.

2 marks

9 Shade 40% of the diagram.

1 mark

10 Ron has £63

Nijah has 3 times as much money as Ron.

How much money do Ron and Nijah have in total?
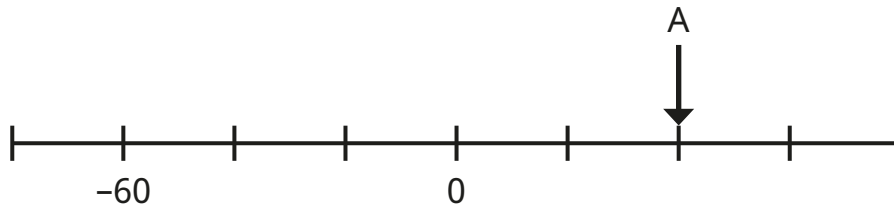
£

11 Work out the calculations.

0.6 − 1 tenth

$0.6 + \dfrac{1}{100}$

12 Here is a number line.

Write the value of A.

A

$\vdash$———$\vdash$———$\vdash$———$\vdash$———$\vdash$———$\vdash$———$\downarrow$———$\vdash$———$\vdash$

−60   0

A =

13 Match the fraction calculations to their decimal answers.

| $\frac{1}{4} + \frac{1}{4} + \frac{1}{4}$ | | 0.25 |

| $\frac{1}{6} + \frac{1}{6} + \frac{1}{6}$ | | 0.5 |

| $\frac{1}{12} + \frac{1}{12} + \frac{1}{12}$ | | 0.75 |

14 Solve the equation.

$5y + 11 = -4$

$y =$ _____

2 marks

15 A = { letters in the word OBTUSE }
B = { letters in the word RECTANGLE }

List the elements of set A.

_____

1 mark

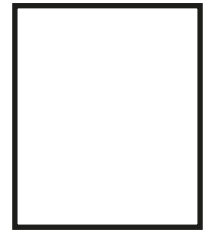List the elements of set B.

_____

1 mark

List the elements that are in set A and in set B.

_____

1 mark

16 Find the difference between $\frac{10}{11}$ and $\frac{2}{3}$

2 marks

END OF TEST

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