

Answer **all** questions in the spaces provided

- 1** How many minutes are there in $2\frac{1}{4}$ hours?

Circle your answer.

[1 mark]

135

145

215

225

- 2** Which of these numbers is **half** of a square number?

Circle your answer.

[1 mark]

1

2

3

4

- 3** Circle the value of the digit 3 in the number 17.03

[1 mark]

$\frac{3}{10}$

$\frac{1}{30}$

$\frac{3}{100}$

$\frac{1}{300}$



- 4** The value of A is double the value of B .
Circle the correct formula.

[1 mark]

$$A = B + 2$$

$$A = 2B$$

$$A = \frac{B}{2}$$

$$A = B^2$$

- 5 (a)** Simplify $y \times y$

[1 mark]

Answer _____

- 5 (b)** Simplify $5a + 2 - a + 9$

[2 marks]

Answer _____

Turn over for the next question

Turn over ►

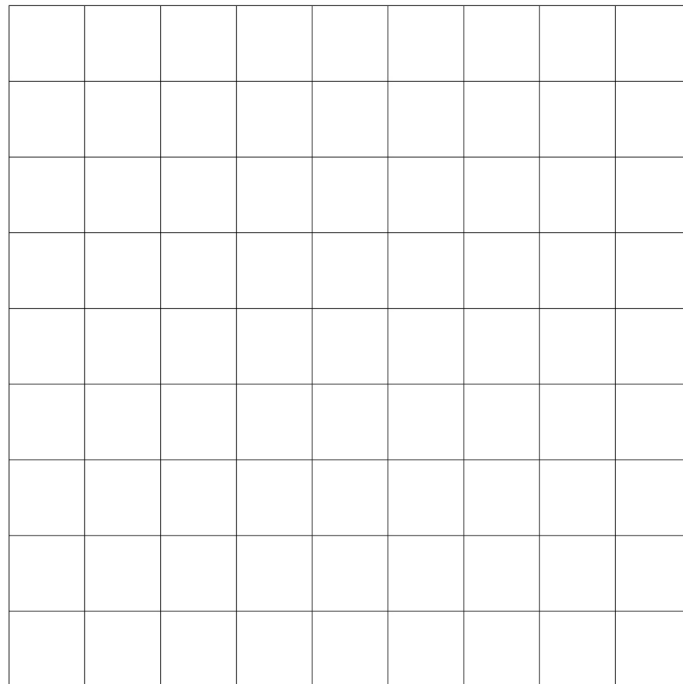


6 The table shows information about the birds in a garden.

Bird	Number
Robin	2
Sparrow	5
Wren	3
Lark	1

Draw a bar chart to show the information.

[3 marks]



7

Eve has these coins.



Ola has these coins.

Eve gives **three** of her coins to Ola.

Now, Ola has the same amount of money as Eve.

Which coins does Eve give to Ola?

[3 marks]

Answer _____ , _____ , _____

Turn over for the next question**Turn over ►**

8 A dry cleaning shop has the following offers.

Suit



Normal price £12.50
1st suit normal price
2nd suit half price

Dress



Normal price £9.75
Three for the price of two

Work out the **total** price for 2 suits and 6 dresses.

[4 marks]

Answer £ _____



9 Karl has twin sisters.

The sum of the ages of Karl and his twin sisters is 39

In 4 years' time the twins will be 18

How old will Karl be in 4 years' time?

[3 marks]

Answer _____

Turn over for the next question

7

Turn over ►



10 One of the angles in a triangle is 60°

Tick a box for each statement.

	Must be true	Cannot be true	Might be true
The triangle is equilateral			
The triangle has at least one other acute angle			
The triangle is right-angled			
The other two angles are each less than 60°			

[4 marks]



11 Which of these numbers has **exactly** two factors?

Circle your answer.

[1 mark]

6

7

8

9

12 Work out $\sqrt{7.5^2 + 18^2}$

Circle your answer.

[1 mark]

19.5

25.5

331.5

380.25

13 (a) Use your calculator to work out the exact value of $\frac{18\,953 \times 437}{11}$

[1 mark]

Answer _____

13 (b) Use approximations to 1 significant figure to check if your answer to part (a) is sensible.

[3 marks]



14 Chris sells lawnmowers.

The table shows the number he sold each quarter for three years.

	Quarter 1	Quarter 2	Quarter 3	Quarter 4
2016	17	64	50	5
2015	9	72	61	1
2014	19	58	53	2

14 (a) In which year did he sell the most lawnmowers?

You **must** show your working.

[2 marks]

Answer _____

14 (b) He uses the table to decide the number of lawnmowers to stock each quarter.

At the **start** of which quarter should Chris stock the most lawnmowers?

Circle your answer.

[1 mark]

Quarter 1

Quarter 2

Quarter 3

Quarter 4



15

In a test,
Section A has 80 marks
Section B has 120 marks.

Riya scores
55% in Section A
70% in Section B.

To pass, Riya needs to score 65% of the **total** marks.

Does she pass?

You **must** show your working.

[4 marks]

Answer _____

7

Turn over ►

