

- 1 a Round 12 063 to the nearest 10

(1 mark)

- b What is the value of the 2 in 12 063?

(1 mark)

- 2 Write the following in order, smallest to largest

- a 11      -3      7      0      -5

(1 mark)

- b  $\frac{1}{4}$       0.5      75%       $\frac{3}{10}$       0.34

(2 marks)

- 3 Calculate

- a  $137 + 65$

(1 mark)

- b  $20 \times 300$

(1 mark)

- c  $4 + 2 \times 3$

(1 mark)

d  $35 \times 16$

(2 marks)

- 4 a Write the correct symbol in the box to make the number sentence true.

6.3

4.8

(1 mark)

- b What is the value of 8 in the number 4.8?

(1 mark)

- 5 Sam, Li and Kelly want to raise £350 for charity. They have already raised £278

- a How much more money do they need to raise?

(2 marks)

- b What is the mean average amount of money each person still needs to raise?

(2 marks)

- 6 What is the missing term of this number sequence?

5 10 20 40

(1 mark)

- 7 a 0.1 0.11 0.99 0.09 0.01

Use two of the numbers above to complete the addition below.

$$\boxed{\phantom{00}} + \boxed{\phantom{00}} = 1$$

(1 mark)

- b 0.67 6.7 67 670

Use two of the numbers above to complete the multiplication below.

$$\boxed{\phantom{00}} \times 100 = \boxed{\phantom{00}}$$

(1 mark)

- 8 Use three of the numbers below to complete the multiplication.

1 2 3 6 12 18 24

**Factor of 12**

**Prime number**

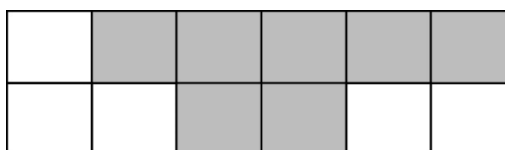



(2 marks)

- 9 Work out 15% of £60

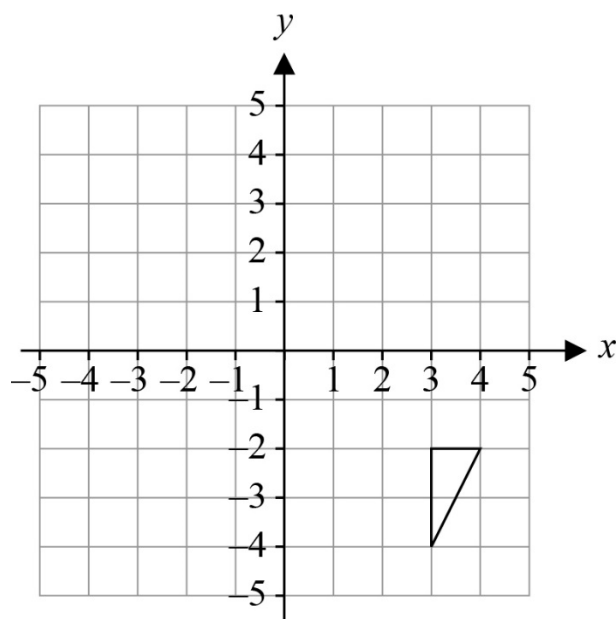
(2 marks)

- 10 What fraction of the rectangle is shaded?



(1 mark)

11



a Draw the reflection of the triangle after a reflection in the x-axis.

(1 mark)

b Draw a cross at the point  $(-4, 0)$

(1 mark)

12 Simplify  $2e + 3f + 4e - f$

(2 marks)

13  $2c$     $c^2$     $2 - c$     $c + 2$     $c - 2$

Write the correct expression from the list above for the following statements.

a 2 less than  $c$

(1 mark)

b twice  $c$

(1 mark)

14 Work out

a  $\frac{1}{5} + \frac{2}{5}$

(1 mark)

b  $\frac{5}{12} - \frac{1}{4}$

Write your answer in its simplest form.

(3 marks)

15 A length of rope measures 3.2 metres. It is cut into three pieces.

The first piece measures 0.7 metres.

The second piece measures 1.35 metres.

How long is the third piece of rope?

(2 marks)

16 Five metres of rope cost £86.50. How much does one metre of rope cost?

(2 marks)

17 Ali says 'I added three odd numbers together and my answer was 20'

Explain why Ali is wrong.

(1 mark)

18 Solve the equation

$$5r = 20$$

$r =$  \_\_\_\_\_

(1 mark)

19 A bag contains 20 counters. Each counter is either green or yellow.

The ratio of green to yellow counters is 2:3

How many green counters are in the bag?

(2 marks)



20 The temperature inside a house is  $15^{\circ}\text{C}$ . The temperature outside the house is  $19^{\circ}\text{C}$  lower

What is the temperature outside the house?

$^{\circ}\text{C}$

(1 mark)

21 Calculate  $\frac{2}{5}$  of £30

£

(1 mark)



**22** Jack is going to school.

It takes him 45 minutes to get ready.

Then he walks for 20 minutes to school.

School starts at 9 a.m.

What is the latest time that Jack can start to get ready and not be late for school?

(2 marks)



**23** Mel buys 6 pineapples. She pays with a £10 note.

She is given £1.18 change.

How much does one pineapple cost?

(3 marks)



24 A cuboid has volume  $100\text{cm}^3$

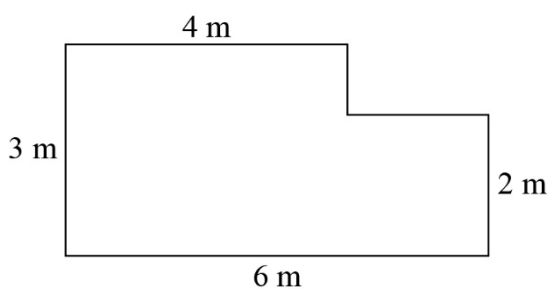
The cuboid is 8cm long and 5 cm wide.

What is the height of the cuboid?

(2 marks)



25 The diagram below shows the plan of a wall.



Mo is going to paint the wall.

Each tin of paint will cover  $30\text{m}^2$

The wall will need 2 coats of paint. The paint costs £12.99 per tin.

How much does it cost to paint the wall?

(4 marks)

Overall mark

/55