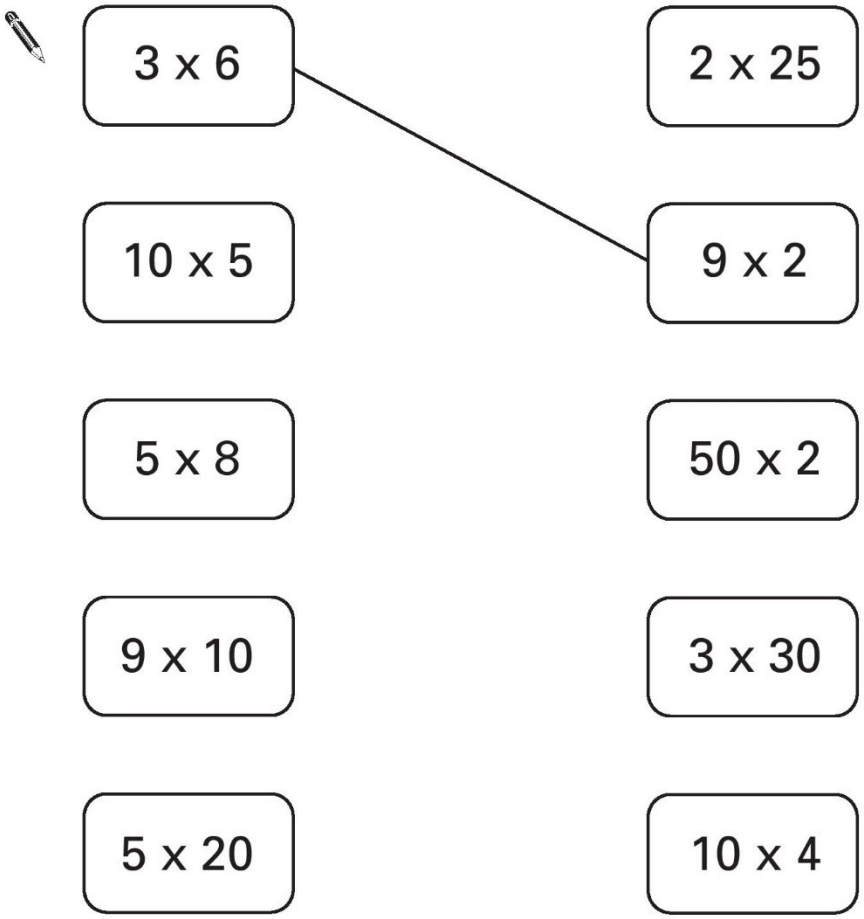
**1** Each card on the left matches one on the right.

Draw lines to match the cards which are **equal** in value.

One has been done for you.




1

2 marks

**2** Write in the missing numbers.

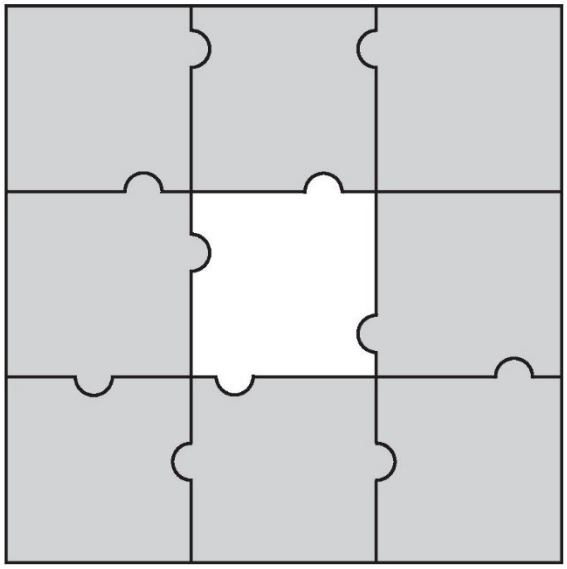
$150 + \square = 500$

2a
1 mark

$172 - \square = 60$

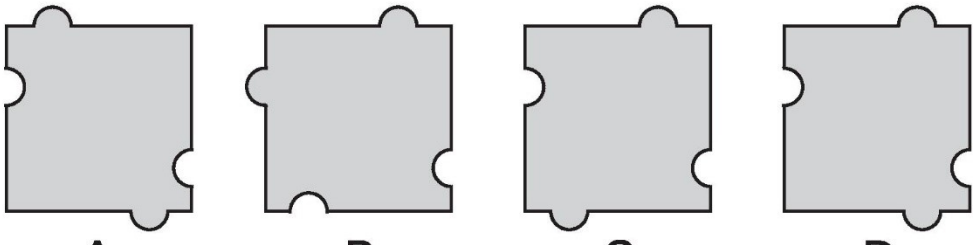
2b
1 mark

**3** Here is a jigsaw with one piece **missing**.



Which **one** of the pieces below fits the hole in the middle?

3
1 mark

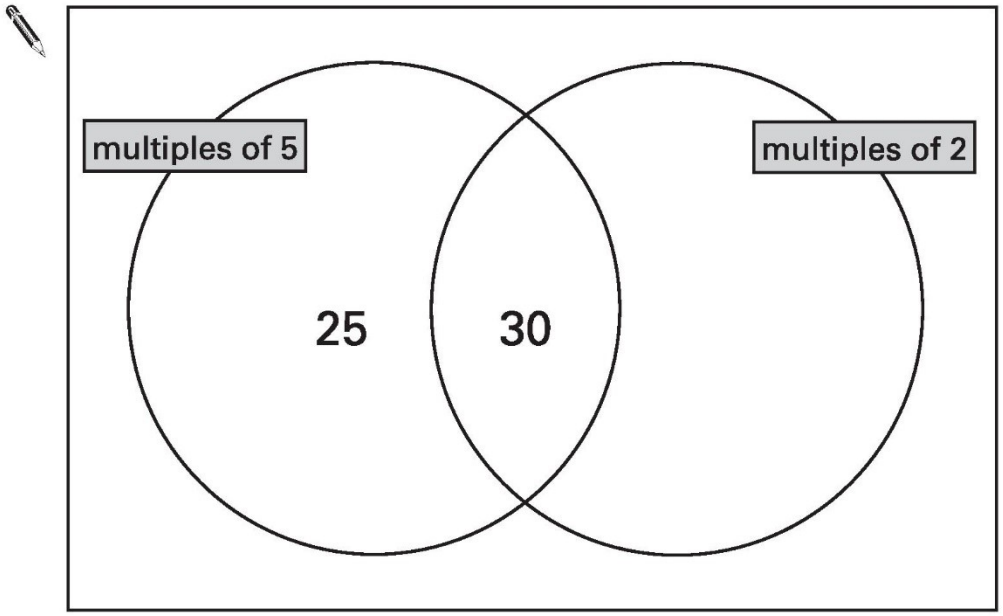





Total

**4** Write **each of** these numbers in its correct place on the sorting diagram.

**40** **8** **15**

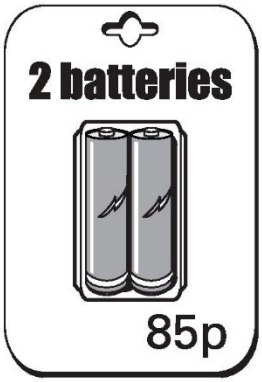



4
2 marks

**5** Calculate **369 + 251**

5
1 mark

**6** A shop sells batteries in **packs of four** and **packs of two**.


Simon and Nick want two batteries each.

They buy a **pack of four** and share the cost equally.

How much does each pay?

Show your **working**. You may get a mark.

6a
2 marks

Mary buys **2 packs of two** batteries.

Hamid buys **1 pack of four**.

How much **more** does Mary pay than Hamid?

Show your **working**. You may get a mark.

6b
2 marks



Total

7

This table shows the numbers of children who went walking, sailing or climbing at an outdoor centre.

| | May | June | July |
|---|---|---|---|
| **walking** | 25 | 80 | 75 |
| **sailing** | 15 | 42 | 50 |
| **climbing** | 18 | 27 | 23 |

How many children went **sailing** in **May**, **June and July** altogether?

7a

1 mark

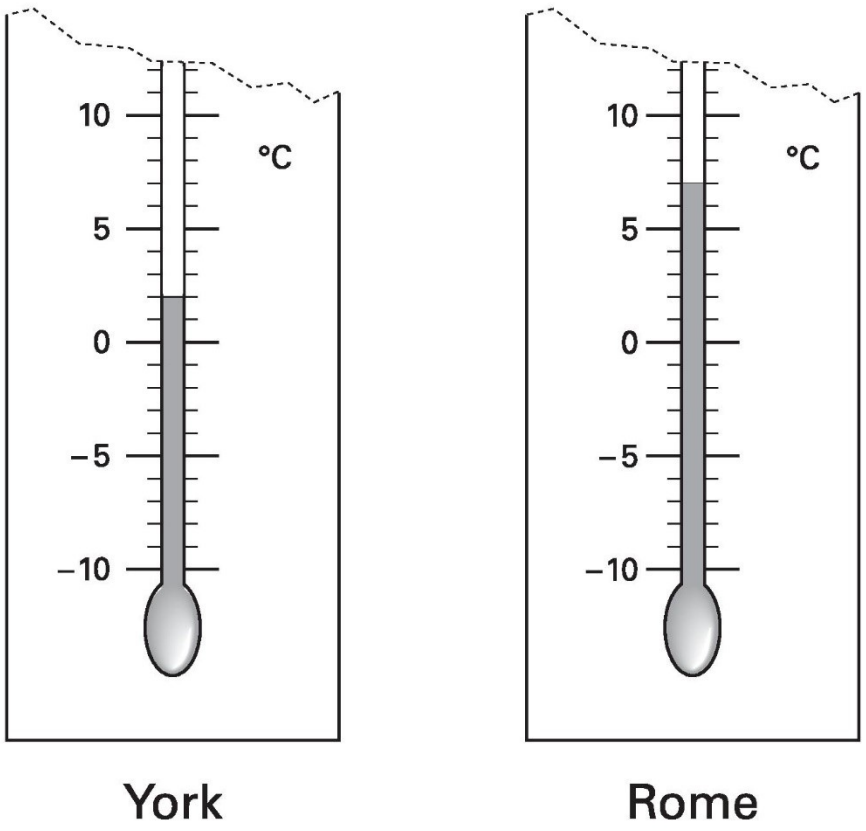
How many **more** children went **walking** in **June** than **climbing** in **June**?

7b

1 mark

**8**

These are the temperatures in York and Rome on a day in winter.




How many degrees **colder** is it in York than in Rome?

°C

8a

1 mark

On another day, the temperature in York is **4°C**

Rome is **7 degrees colder** than York.

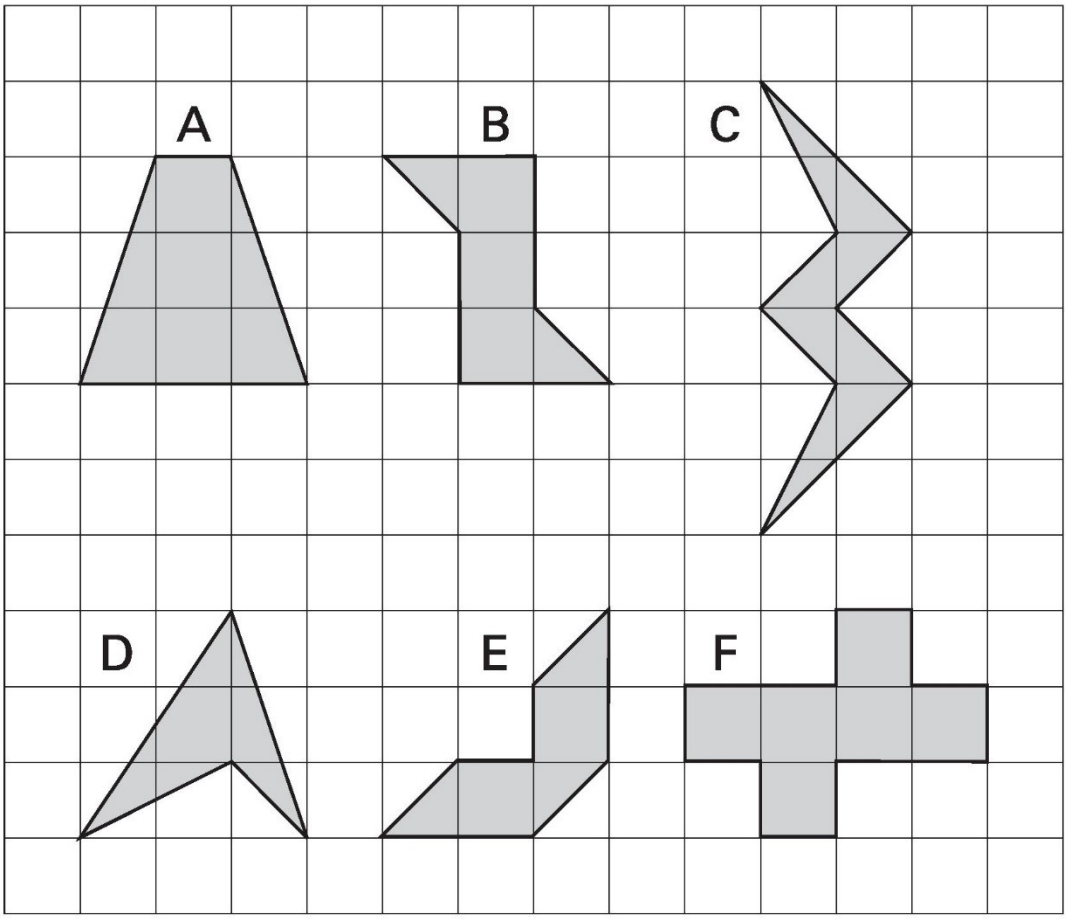
What is the temperature in **Rome**?

°C

8b

1 mark

**9** Here are some shaded shapes on a grid.




Which **three** shapes have **reflective symmetry**?

You may use a mirror or tracing paper.

..... ..... .....

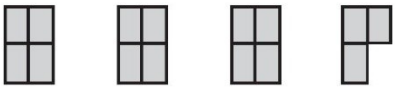
9

2 marks

**10**

A camping shop sells **tents**, **sleeping bags** and **backpacks**.
This chart shows how many of each they sold in June.

## Items sold in June


| | |
|---|---|
| tents |  |
| sleeping bags |  |
| backpacks |  |

The shop had **20** sleeping bags at the **beginning of June.**

How many of these sleeping bags did the shop have left at the **end of June**?

10a

1 mark

In **July**, the shop sold **three times as many tents** as in June.

How many tents did the shop sell in **July**?

10b

1 mark



Total

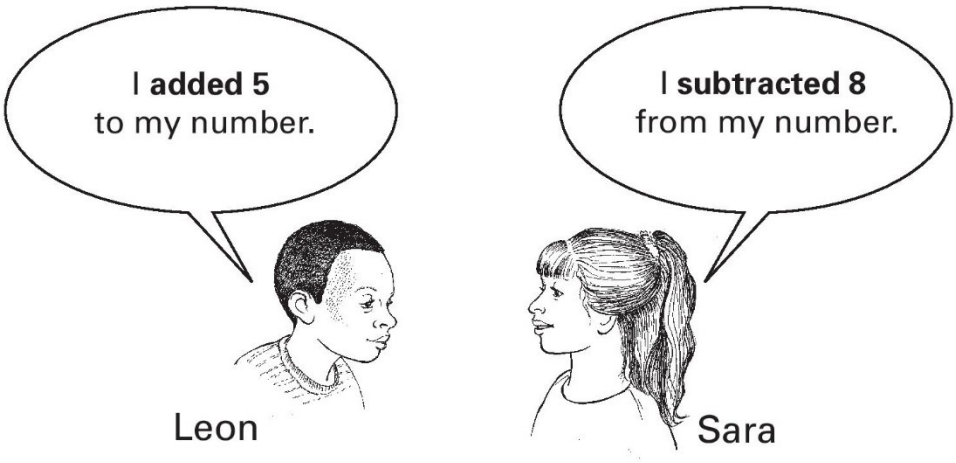
**11** Circle **two** numbers which **add** to make **0.12**

0.1 0.5 0.05 0.7 0.07 0.2

11

1 mark

**12** Leon and Sara each started with **different** numbers.




Leon and Sara both get the **same** answer.

What numbers could they have started with?

Leon ☐ Sara ☐

12

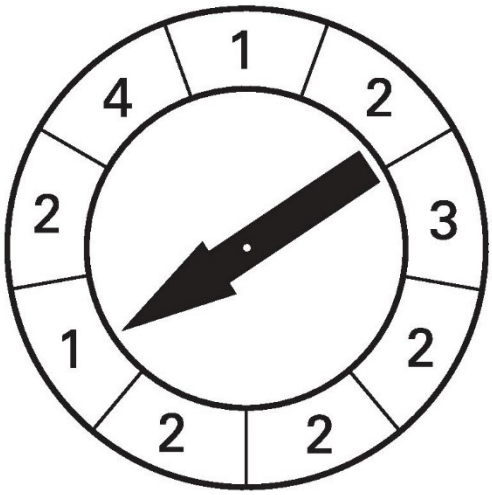
1 mark

**13** Calculate $\frac{3}{4}$ of **840**

13

1 mark

**14** This spinner is divided into **nine** equal sections.




Which **two different numbers** on the spinner are equally likely to come up?

and

14a

1 mark

Meera says,

***'2 has a greater than even chance of coming up'.***

Explain why she is correct.

. . . . . .

. . . . . .

. . . . . .

14b

1 mark

**15**

Peanuts cost **60p** for **100 grams**.

What is the cost of **350 grams** of peanuts?

Show your **working**. You may get a mark.

15a

2 marks

Raisins cost **80p** for **100 grams**.

Jack pays **£2** for a bag of raisins.

How many **grams of raisins** does he get?

Show your **working**. You may get a mark.

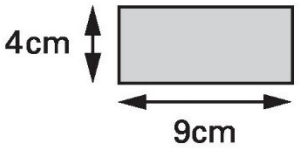
g

15b

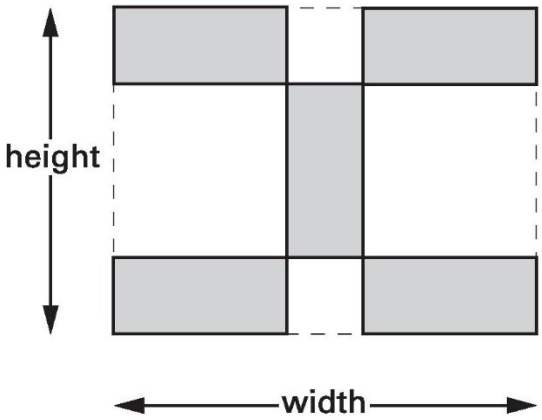
2 marks

**16** Kim has some rectangular tiles.

Each one is **4 centimetres** by **9 centimetres**.




She makes a design with them.




Calculate the **width** and **height** of her design.

width = ☐ cm

height = ☐ cm

16a
1 mark

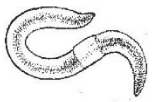
16b
1 mark



Total

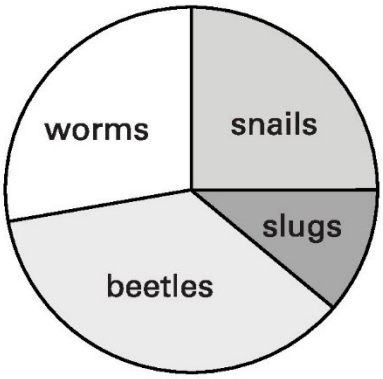
**17**

Tony and Gemma looked for snails, worms, slugs and beetles in their gardens.



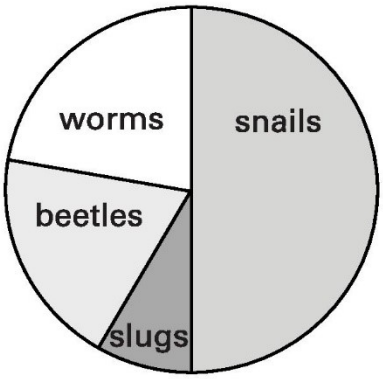

They each made a pie chart of what they found.

**Tony's pie chart**




Total 80

**Gemma's pie chart**




Total 36

**Estimate** the number of **worms** that **Tony** found.

17a
1 mark

Who found more **snails**?
Circle Tony or Gemma.

Tony / Gemma

Explain how you know.

. . . . . .

. . . . . .

. . . . . .

17b
1 mark

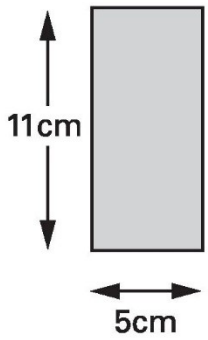
**18** Circle two different numbers which **multiply** together to make **1 million**.

10 100 1000 10 000 100 000

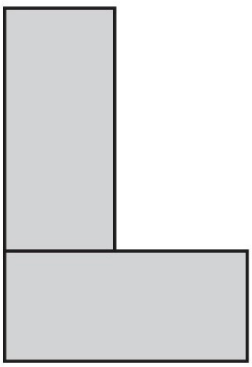
18

1 mark

**19** Liam has two rectangular tiles like this.




He makes this L shape.



What is the **perimeter** of Liam's L shape?

cm

19

1 mark



Total

**20** This sequence of numbers **goes up by 40** each time.

40 80 120 160 200 ...

This sequence continues.

Will the number **2140** be in the sequence?
Circle Yes or No.

Yes / No

Explain how you know.

. . . . . .

. . . . . .

. . . . . .

20

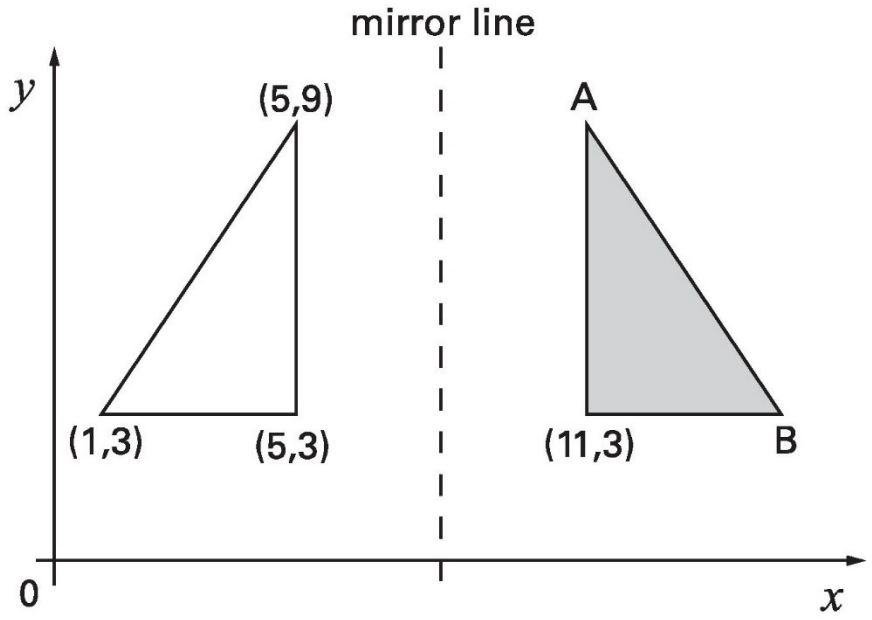
1 mark

**21** Calculate **8.6 – 3.75**

21

1 mark

**22** The shaded triangle is a reflection of the white triangle in the mirror line.




Write the **co-ordinates** of point **A** and point **B**.

**A** is ( , ) **B** is ( , )

22a
1 mark

22b
1 mark

**23** Leila knows that

$$65 \times 3 = 195$$

Explain how she can **use this information** to find the answer to this multiplication:

$$165 \times 3$$

. . . . . .

. . . . . .

. . . . . .

23
1 mark



Total