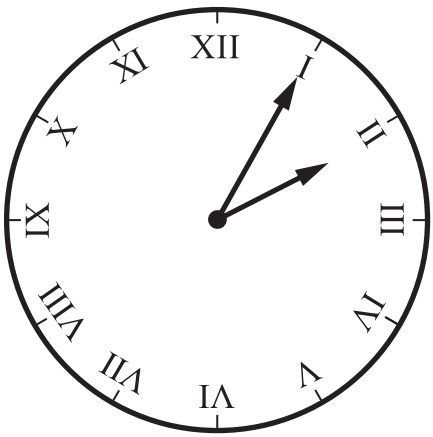
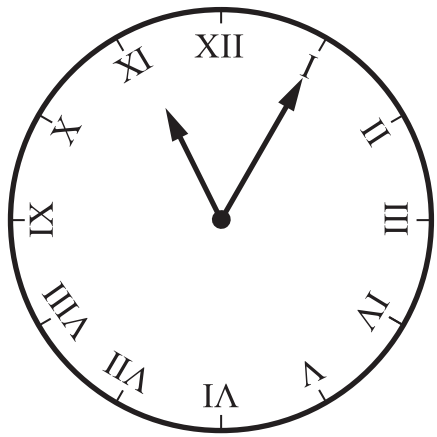
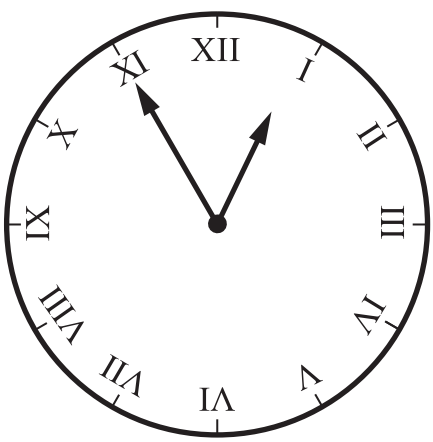
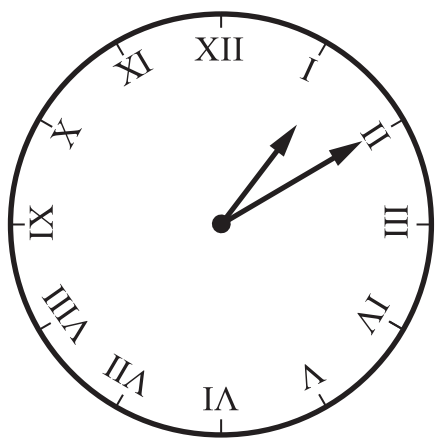
**1** Circle the clock that shows **5 minutes past 11**




1 mark

**2** Write these temperatures in order, starting with the **lowest**.

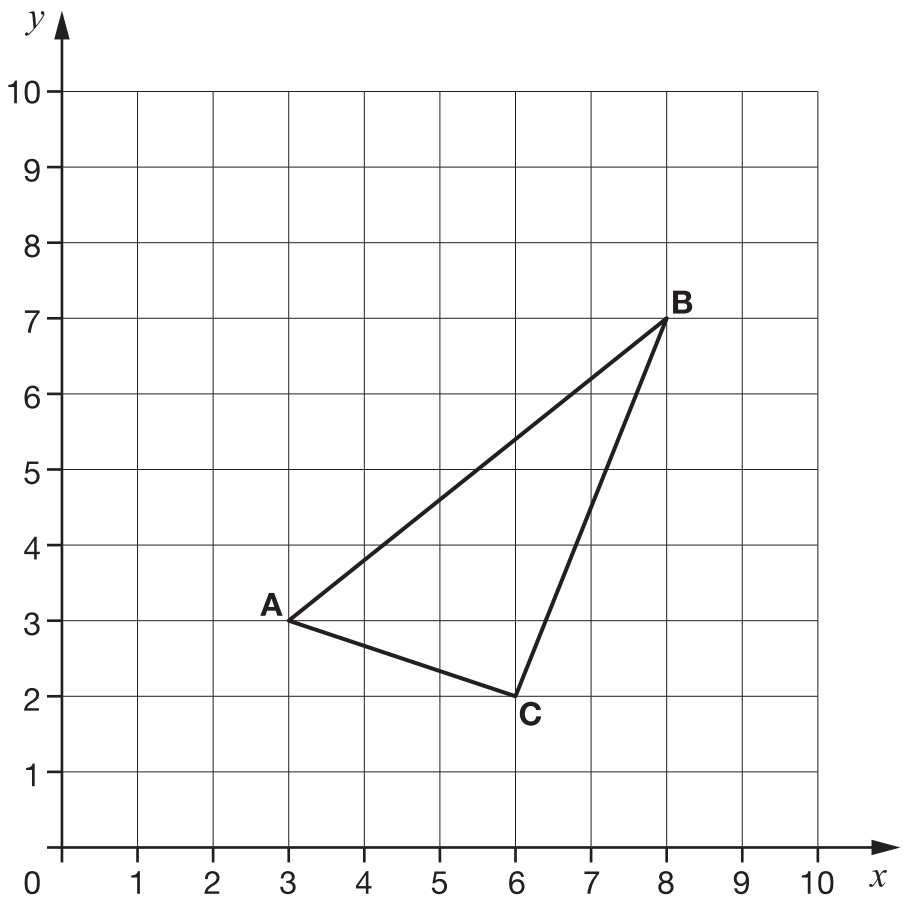
6°C  −4°C  1°C  −10°C  3°C

| | | | | |
|---|---|---|---|---|
| °C | °C | °C | °C | °C |

**lowest**

1 mark

**3**




**ABC** is a triangle.

What are the coordinates of point **C**?

( , )

1 mark

**4** Some children choose their favourite zoo animal.

The pictogram shows the results.

Key: ● stands for **2** children

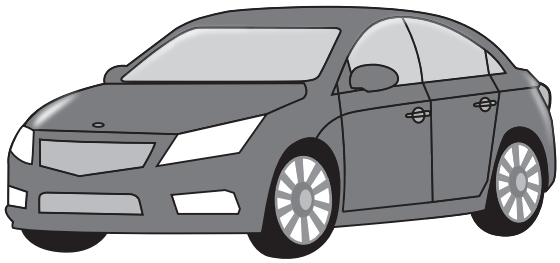
| Animal | Number of children |
|---|---|
| penguin | ● ● ● |
| elephant | ● ● ◗ |
| tiger | ● ● ● ● ● ● |
| giraffe | ● ◗ |

How many **more** children choose tiger than elephant?

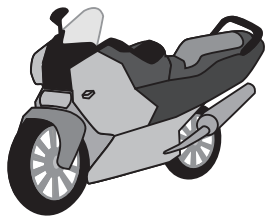
[ ]

1 mark

**5** Cars and motorbikes are parked in a street.



**car**
**4 wheels**



**motorbike**
**2 wheels**

Stefan counts 3 motorbikes and 5 cars.

He counts **28 wheels** altogether.

Explain why Stefan **cannot** be correct.

1 mark

**6** Kirsty buys 1 litre of apple juice for £1.39

She pays with a £5 note.

How much change does Kirsty get?

£ ☐

1 mark

**7** Here is a number sequence.

75 50 25 ☐ ☐

1 mark

Write the next two numbers in the sequence.

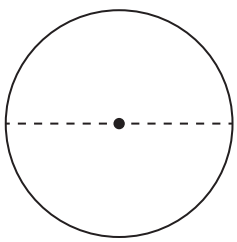
**8** In 2012, there were **24,372** schools in the United Kingdom.

Round the number of schools to the **nearest hundred**.

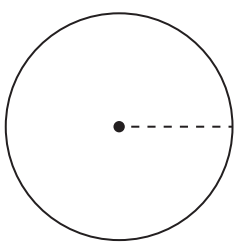
1 mark

**9** Here are some diagrams showing parts of a circle.

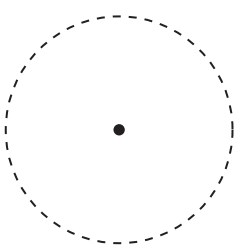
Match each diagram to the name of the dashed line.



circumference



diameter



radius

1 mark

**10** Ken thinks of a number.

He divides it by 3

The answer is 72

What number was Ken thinking of?

1 mark

**11** Write the number that is **one thousand more** than 19,039

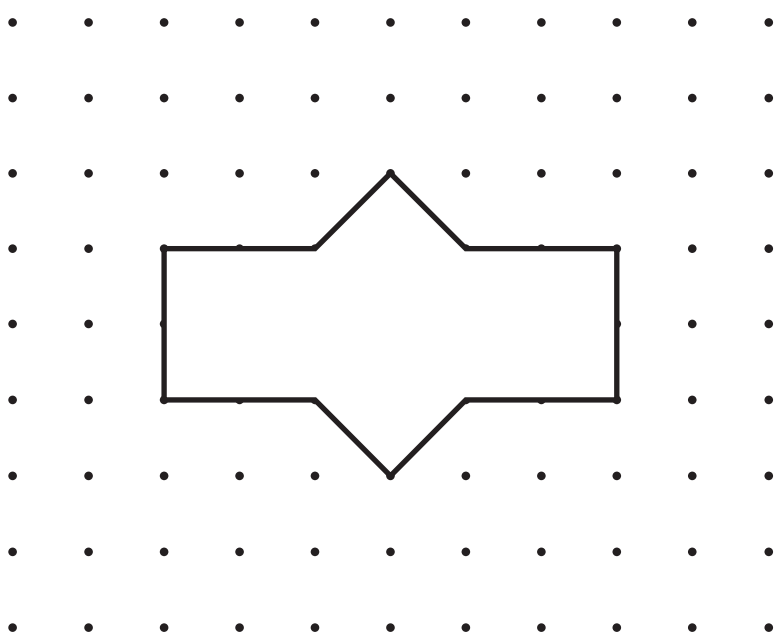
1 mark

Write the number that is **one hundred less** than 19,039

1 mark

**12** Draw all the lines of symmetry on this shape.

Use a ruler.



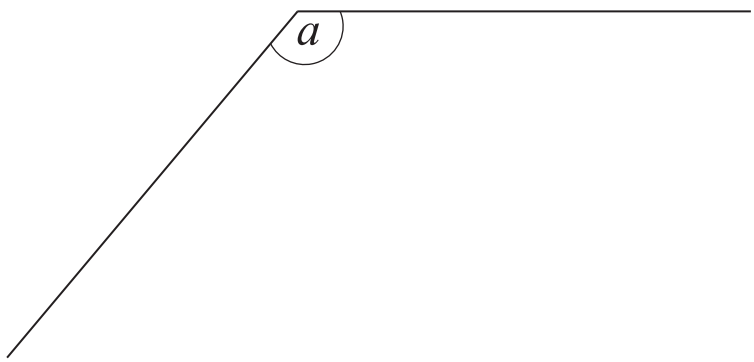
1 mark

**13** $\frac{1}{5}$ of a number is 22

What is the number?

1 mark

**14**




Measure angle $a$.

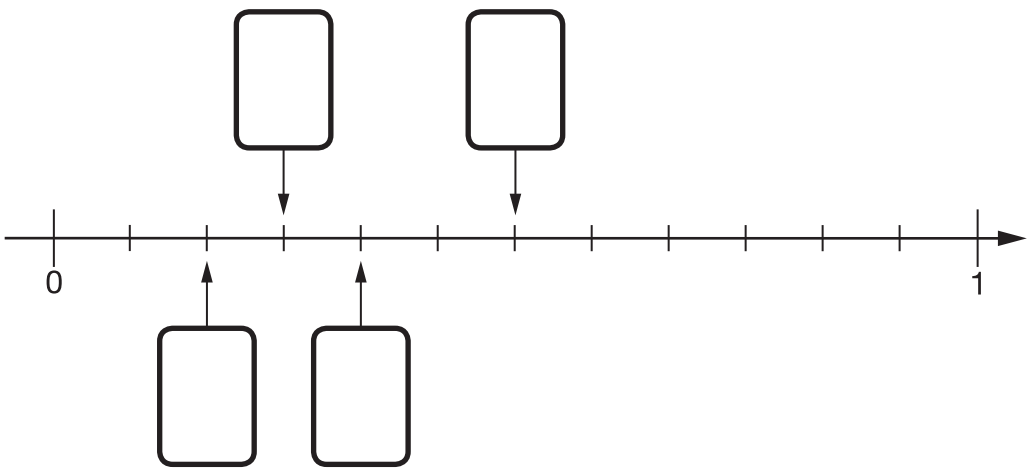
$a$ is ° 

1 mark

**15** Here are four fractions.

$\frac{1}{3}$ $\frac{1}{6}$ $\frac{1}{4}$ $\frac{1}{2}$

Write the fractions in the correct place on the number line.




1 mark

**16** One day last year, the rate of rainfall from 6:30 am until 9:00 am was 2 millimetres per hour.

What was the **total** rainfall from 6:30 am until 9:00 am?

mm

1 mark

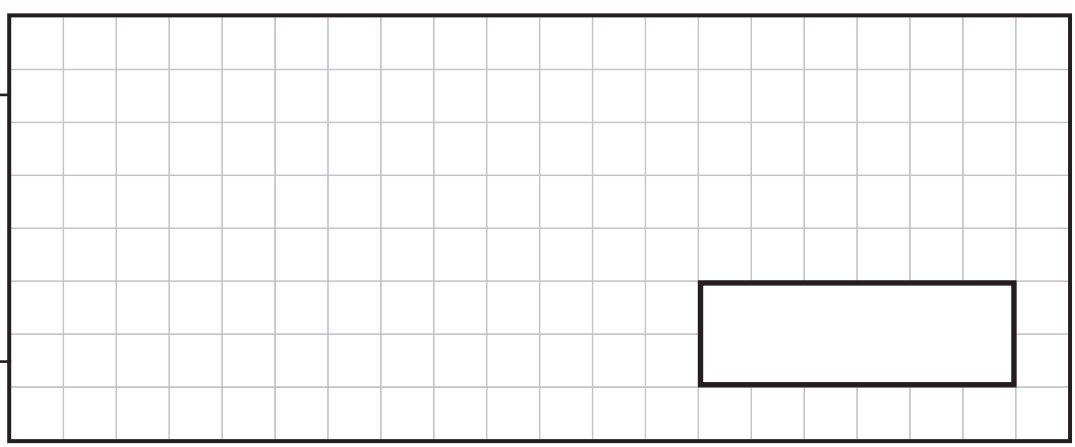
**17** The manager of a flower shop orders 4 boxes of red roses.

There are 50 roses in each box.

The manager makes bunches with 6 roses in each bunch.

What is the **greatest** number of bunches that can be made?

Show your method



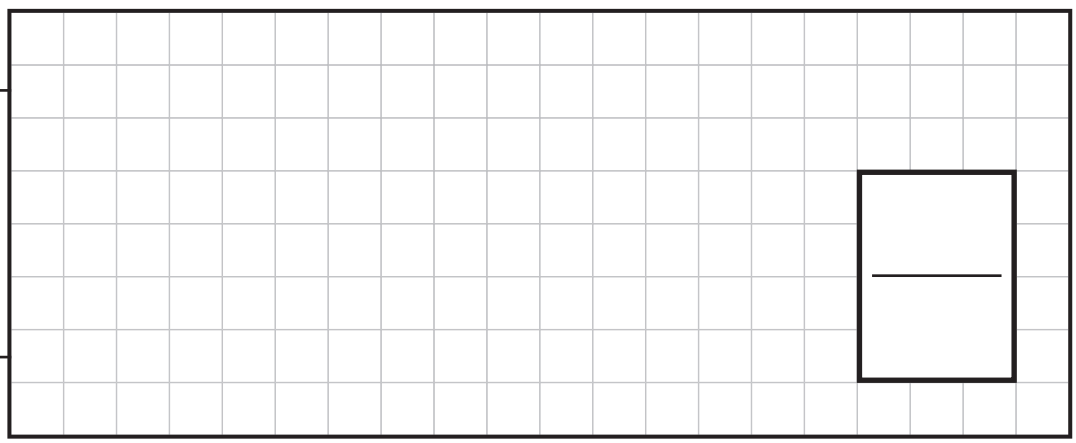
2 marks

**18** A cinema sells tickets at three different prices.

- $\frac{1}{20}$ of the tickets are price A.
- $\frac{3}{5}$ of the tickets are price B.
- The rest of the tickets are price C.

What fraction of the tickets are price C?

Show your method



2 marks

**19** Write the missing number to make this **division** correct.

$$15{,}000 \div \square = 75$$

1 mark

**20** Write the two missing digits to make this **long multiplication** correct.

| | | | | | |
|---|---|---|---|---|---|
| | | □ | 2 | 3 | 5 |
| × | | | | □ | 3 |
| | | 9 | 7 | 0 | 5 |
| 1 | 6 | 1 | 7 | 5 | 0 |
| 1 | 7 | 1 | 4 | 5 | 5 |

2 marks

**21** The height of the tallest person in history is 8 feet 11 inches.

| Conversion table | |
|---|---|
| One foot | 30 centimetres |
| One inch | 2.5 centimetres |

Use this conversion table to calculate the height of the tallest person, in **centimetres**.

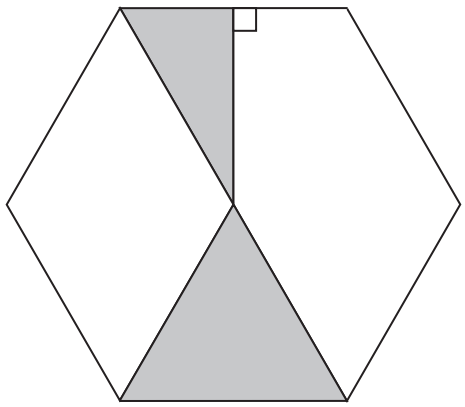
Show your method

cm

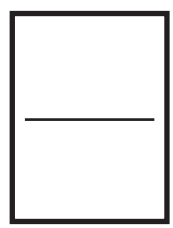
2 marks

**22** Here is a regular hexagon.

The area of the large shaded triangle is double the area of the small shaded triangle.



What **fraction** of the whole hexagon is the shaded area?

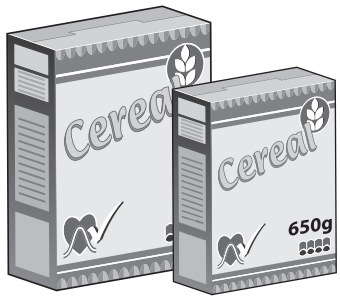


1 mark

**23** A small box contains **650** grams of cereal.

A large box contains **20% more** cereal.

One portion of cereal is **40** grams.




How many **full** portions are in a **large** box?

Show your method

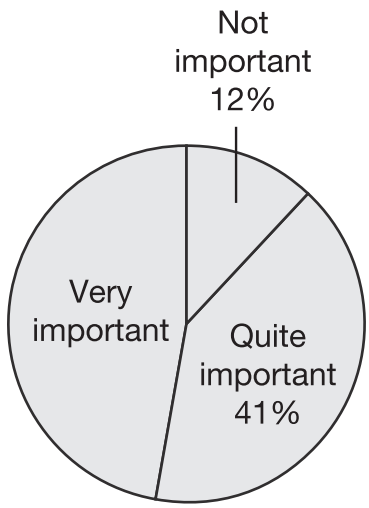
portions

2 marks

**24** 1,200 pupils were asked this question:

*How important is it to have a break when using a screen?*

This chart shows the results.



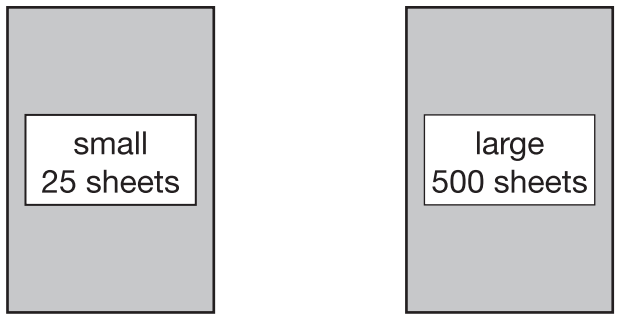

How many pupils answered 'Very important'?

**pupils**

1 mark

**25** There are 25 sheets of paper in a small pack.

There are 500 sheets in a large pack.




How many small packs make one large pack?

1 mark

The mass of the paper in the large pack is 2.4 kilograms.

What is the mass of **one sheet** of paper, in **grams**?

Show your method

g

2 marks

**26** This formula is used to estimate the mass (in kilograms) of young children.

**mass = 2 × (age in years + 5)**

Stefan's sister is 4 years of age.

Use the formula to estimate her mass.

kg

1 mark

The mass of Megan's brother is 16 kilograms.

Use the formula to estimate his **age**.

years

1 mark