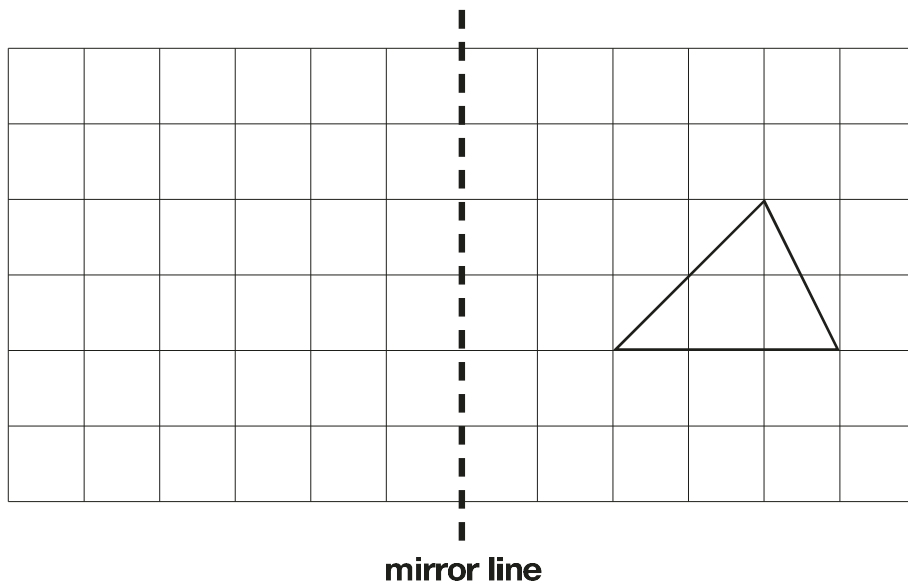


1

Here is a triangle on a grid.



Draw the reflection of the triangle in the mirror line.

Use a ruler.

1 mark

**2**

This table shows the cost of fruit at a school cafeteria.

Fruit	Cost for one
banana	12p
plum	23p
apple	32p
pear	38p

Amir buys two pieces of fruit.

He pays with a £2 coin.

He gets £1.50 change.

Tick the **two** pieces of fruit that Amir buys.

Tick **two**.

banana

☐

plum

☐

apple

☐

pear

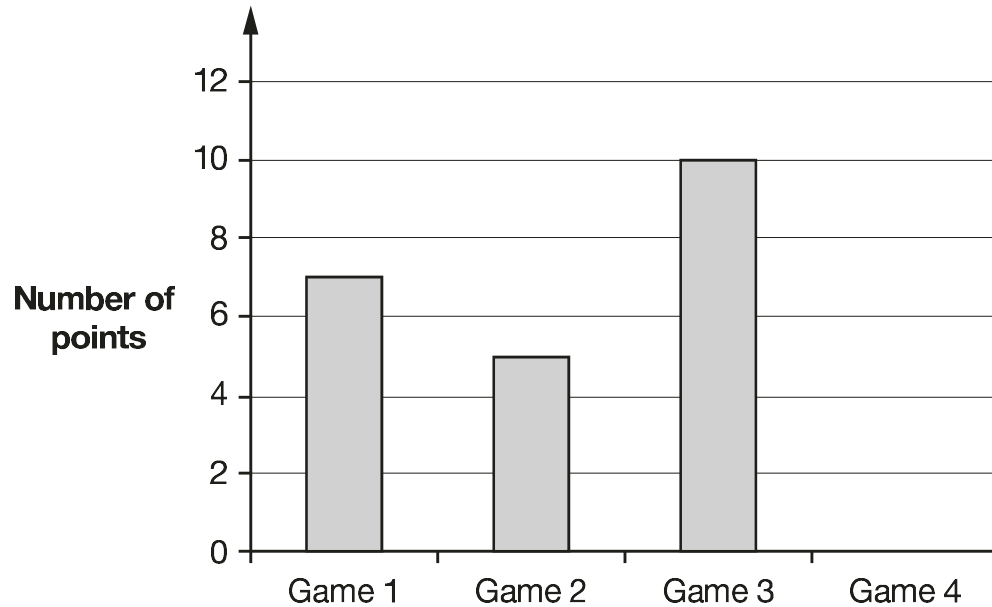
☐

1 mark

**3**

Layla plays basketball.

This graph shows how many points she scored in her first 3 games.



1 mark

After 4 games, Layla had scored a total of 25 points.

Complete the graph.

Use a ruler.

**4**

The numbers in this sequence increase by the same amount each time.

Write the missing numbers.

-11		1	7		19
-----	--	---	---	--	----

1 mark

5

Write the three missing digits to make this multiplication correct.

$$\begin{array}{r}
 \square 5 \square \\
 \times \quad \quad 3 \\
 \hline
 7 \square 2
 \end{array}$$

1 mark

6

Olivia is thinking of a number.

My number

- is greater than 236
- is less than 245
- has a 3 in the tens' place
- is an even number



What number is Olivia thinking of?

1 mark

7

A box holds 40 packets of envelopes.

Each packet holds 25 envelopes.

How many **envelopes** does the box hold?

1 mark

8

Write a **whole number** in each box to make the statements correct.

One has been done for you.

rounded to the nearest **ten** is 20

rounded to the nearest **thousand** is 4,000

rounded to the nearest **ten thousand** is 820,000

1 mark

9

$$4 \div 10$$

$$40 \div 10$$

$$4 \div 100$$

$$40 \div 100$$

Two of these calculations have the same answer.

Write this answer as a **decimal**.

1 mark

10

Circle the two **prime** numbers that have a difference of 2

15

17

19

21

23

25

1 mark

11

This table shows the number of children and adults at a childcare centre.

Complete the table to make it correct.

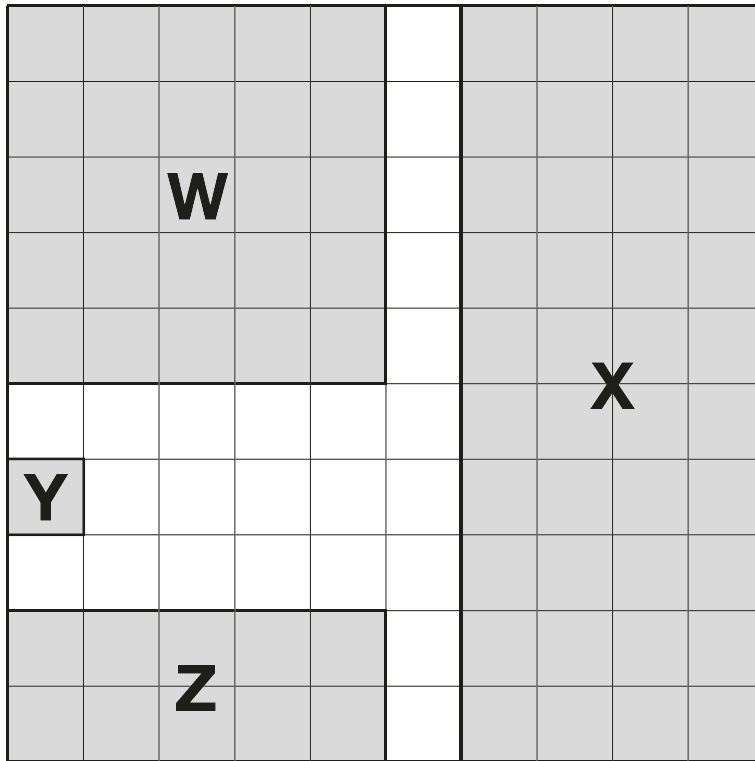
The first row has been done for you.

Age in years	Number of children	Number of adults	Number of children per adult
1 and under	12	4	3
2 or 3	20		4
4 or 5		3	8

1 mark

12

Shapes **W**, **X**, **Y** and **Z** cover different fractions of this 10 by 10 square.



Match each shape to the correct fraction.

Shape **W**

$$\frac{1}{100}$$

Shape **X**

$$\frac{1}{4}$$

Shape **Y**

$$\frac{2}{5}$$

Shape **Z**

$$\frac{1}{10}$$

1 mark



**13**

Match the name of each 3-D shape to its number of vertices.

cube

9

square-based pyramid

8

triangular-based prism

6

octagonal-based pyramid

5

1 mark

**14**

A class votes for a captain.

Three-quarters of the class vote for Sam.

The remaining 7 pupils vote for Alex.

How many pupils are in the class?

1 mark

**15**Write the missing number to make this **multiplication** correct.

$$3.207 \times 100 = \boxed{\phantom{000}} \times 10$$

1 mark**16**

Here is a number.

9,658,214

Tick the statements that are **true**.

The digit 5 represents 50,000

☐

The value of the digit 9 is nine hundred thousands.

☐

The digit 6 represents 6 millions.

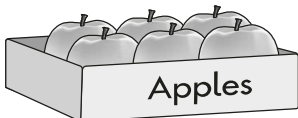
☐

The value of the digit 2 is twenty tens.

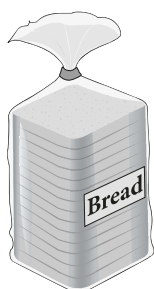
☐2 marks

17

Chen buys these four items.



670 grams  
£1.50



400 grams  
£0.70



500 grams



750 grams  
£1.45

Chen pays for the four items with a £10 note. The price of the butter is not shown.

She receives £3.85 change.

What is the price of the **butter**?

Show  
your  
method

£

2 marks

18

Draw an arrow ( $\uparrow$ ) on the scale below to show **1350 grams**.



1 mark

19

A hall has 1,250 seats.

At 7 pm, 880 seats are filled.

At 8 pm, there are 40 empty seats.

How many seats were filled between 7 pm and 8 pm?

Show  
your  
method

A large rectangular grid consisting of 25 columns and 10 rows. In the bottom right corner of the grid, there is a smaller rectangular box with the word "seats" written inside it.

2 marks

20

Each day, a school has

- break from 10:15am to 10:30am
- lunchtime from 12:40 pm to 1:30pm.

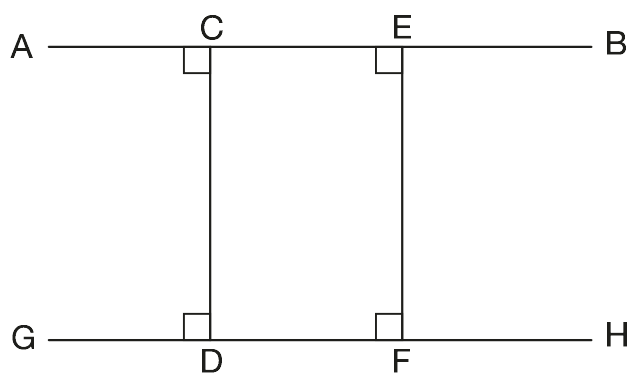
What is the **total** time the school has for breaks and lunchtime in a 5-day week?

Show your method

A horizontal bar chart is displayed on a grid background. The bar is divided into two sections: a longer section on the left labeled "hours" and a shorter section on the right labeled "minutes".

2 marks

21



Tick **all** the correct statements.

AB is parallel to CD ☐

GH is parallel to AB ☐

CD is perpendicular to GH ☐

EF is perpendicular to CD ☐

1 mark

This table shows the distance that five friends travel to school each day.

Name	Distance (km)
Amina	1.8
William	2.4
Layla	3.2
Chen	1.6
Dev	4.5

What is the **mean** distance they travel to school each day?

Show  
your  
method

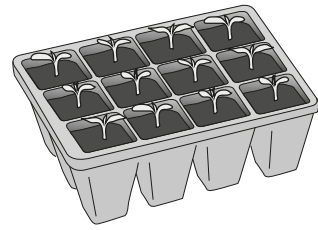
2 marks

23

Mrs Mills has **940** seeds to plant into trays.

She plants **12** seeds in each tray.

The last tray is not full.



What **fraction** of the last tray is filled?

Show  
your  
method

A blank grid with a thick black border. On the right side, there is a thick black square containing a horizontal line. The grid is composed of 20 columns and 10 rows. The thick black square is located in the bottom right corner, spanning the last 4 columns and the last 4 rows. The horizontal line is positioned in the middle of the square, spanning the last 2 columns and the last 2 rows.

2 marks



24

Here are four numbers.

40

60

64

100

Use each number **once** to complete these statements.

is a square number.

is a cube number.

is a common multiple of **4** and **5**

is a common factor of **80** and **120**

2 marks

25

Write the missing numbers so that  $3 \times b - a = 2$ 

$a$	$b$
	2
13	

2 marks

26

Here are 3 translations on a coordinate grid.

Tick the translations that are **four units to the left**.

from (0, 2) to (4, 2)

☐

from (6, 8) to (2, 8)

☐

from (-3, 5) to (-7, 5)

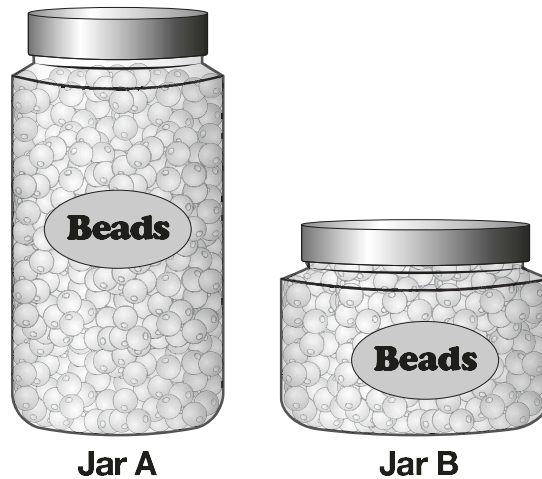
☐

1 mark

27

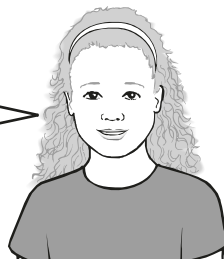
Olivia has two jars of beads.

The number of beads in Jar A is **double** the number of beads in Jar B.



Olivia says,

25% of the number of beads in Jar A is the same as 50% of the number of beads in Jar B.



Explain why Olivia is correct.

A large, empty, cloud-shaped box with a scalloped border, intended for the student to write their explanation.

1 mark