



Please write clearly in block capitals.

Centre number

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Candidate number

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Surname

Forename(s)

Candidate signature

I declare this is my own work.

GCSE MATHEMATICS

F

Foundation Tier

Paper 1 Non-Calculator

Thursday 14 May 2026

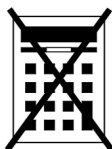
Morning

Time allowed: 1 hour 30 minutes

Materials

For this paper you must have:

- mathematical instruments
- the Formulae Sheet (enclosed).



You must **not** use a calculator.

Instructions

- Use black ink or black ball-point pen. Draw diagrams in pencil.
- Fill in the boxes at the top of this page.
- Answer **all** questions.
- You must answer the questions in the spaces provided. Do not write outside the box around each page or on blank pages.
- If you need extra space for your answer(s), use the lined pages at the end of this book. Write the question number against your answer(s).
- Do all rough work in this book. Cross through any work you do not want to be marked.

Information

- The marks for questions are shown in brackets.
- The maximum mark for this paper is 80.
- You may ask for more answer paper, graph paper and tracing paper. These must be tagged securely to this answer book.

Advice

In all calculations, show clearly how you work out your answer.

For Examiner's Use

Pages	Mark
2–3	
4–5	
6–7	
8–9	
10–11	
12–13	
14–15	
16–17	
18–19	
20–21	
22–23	
TOTAL	

* j u n 2 6 8 3 0 0 1 F 0 1 *

Answer **all** questions in the spaces provided.

1 Here is a list of numbers.

6 8 9 11 30 43

1 (a) Use **three** numbers from the list to complete this calculation.

[1 mark]

$$\square + \square + \square = 50$$

1 (b) Use **two** numbers from the list in a subtraction to give the biggest possible answer.

[2 marks]

$$\square - \square = \square$$

- 1 (c) Use **one** number from the list to complete this statement.

[1 mark]

is $\frac{1}{3}$ of 18

- 1 (d) Use **one** number from the list to complete this statement.

[1 mark]

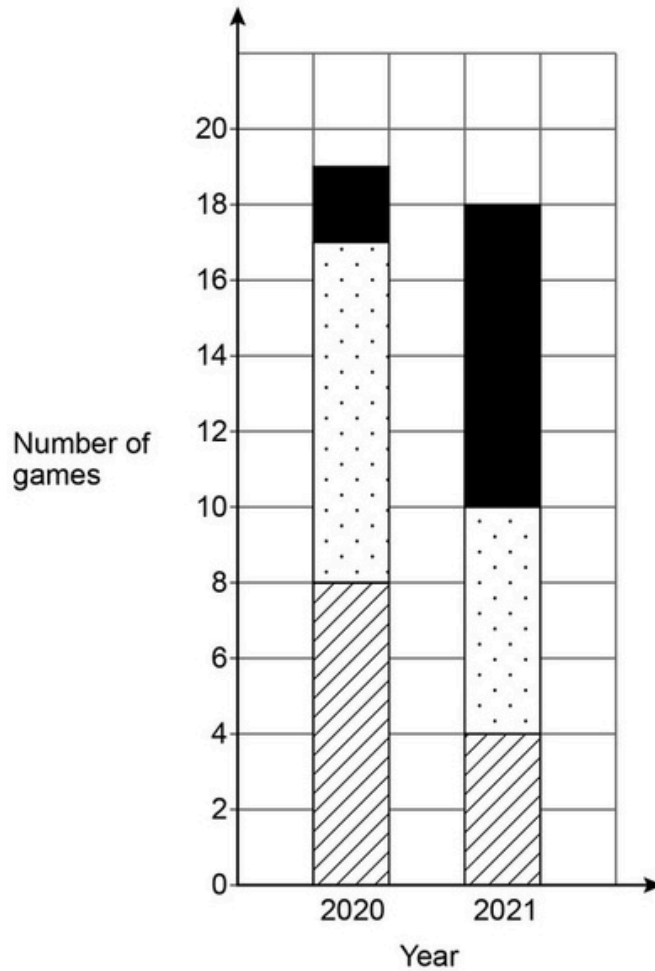
is equal to $\sqrt{64}$

Turn over for the next question

2

The composite bar chart shows information about the games a team played during 2020 and 2021

Key:  Win  Draw  Lose



2 (a) In 2020, how many games did the team **draw**?

[1 mark]

Answer _____

- 2 (b) In 2021, what fraction of the games did the team **lose**?

[2 marks]

Answer _____

- 3 Here is a list of numbers.

-12 2 -3 4 -1

- 3 (a) Write the numbers in order of size.
Start with the **smallest**.

[2 marks]

Answer _____

- 3 (b) Use **two** numbers from the list to complete this calculation.

[1 mark]

$$\boxed{} \times \boxed{} = \boxed{-12}$$

- 3 (c) Use **two** numbers from the list to make a fraction equal to 50%

[1 mark]

$$\frac{\boxed{}}{\boxed{}} = 50\%$$

Turn over ►

- 4 (a) Ben works on three days.

Friday	4 pm to 7 pm
Saturday	9 am to 11.30 am
Sunday	12 noon to 3.30 pm

Work out the **total** number of hours he works.

[2 marks]

Answer _____ hours

- 4 (b) Maddie works for 5 hours.

She is paid £14 **per hour**.

In **total**, how much is she paid?

[2 marks]

Answer £ _____

- 5 The table shows the number of each type of vehicle in a street.

	Cars	Vans
Petrol	16	4
Electric	5	2

- 5 (a) How many electric vans are there?

[1 mark]

Answer _____

- 5 (b) One of the **vehicles** is chosen at random.
What is the probability that it is **petrol**?
Give your answer as a fraction.

[2 marks]

Answer _____

Turn over for the next question

Turn over ►

6 Here is a list of shapes.

rectangle octagon rhombus hexagon

6 (a) Which **one** of these shapes has 8 sides?

[1 mark]

Answer _____

6 (b) Which **one** of these shapes **must** have all its sides equal?

[1 mark]

Answer _____

7 By rounding each number to the nearest 10, estimate the value of

$$62 \times 28 \div 23$$

You **must** show your working.

[3 marks]

Answer _____

8

Eggs are put in boxes or crates.

- Each crate can hold 55 eggs.
- Each box can hold 6 eggs.

Suki has 3 full crates of eggs.

What is the **smallest** number of boxes that she would need to hold these eggs?

[4 marks]

Answer _____

Turn over for the next question

9

Complete each statement using one of

=

The first one has been done for you.

< >

[3 marks]

6

>

4

-7

-8

 $\frac{2}{5}$

0.4

30%

 $\frac{1}{3}$

10 A school holds an open day.

10 (a) At the open day there are

- 75 staff
- 180 visitors.

Work out the ratio of staff to visitors.

Give your answer in its simplest form.

[2 marks]

Answer _____ :

10 (b) 500 raffle tickets are sold.

Maisie buys 30 of these tickets.

There is one prize to be won.

What is the probability of Maisie winning the prize?

Give your answer as a percentage.

[2 marks]

Answer _____ %

11 $a = \frac{1}{2}$ and $b = \frac{1}{4}$

11 (a) Work out the value of $a + b$

[1 mark]

Answer _____

11 (b) Work out the value of ab

[2 marks]

Answer _____

12 The total cost of 1 adult ticket and 3 child tickets is £5.25

Each child ticket costs 95p

Work out the cost, in £, of an adult ticket.

[3 marks]

Answer £ _____

13 In this question use the fact that

$$46\% \text{ of } 1350 = 621$$

13 (a) Work out 4.6% of 1350

[1 mark]

Answer _____

13 (b) Work out 92% of 1350

[2 marks]

Answer _____

14 The side of a square is 5 cm

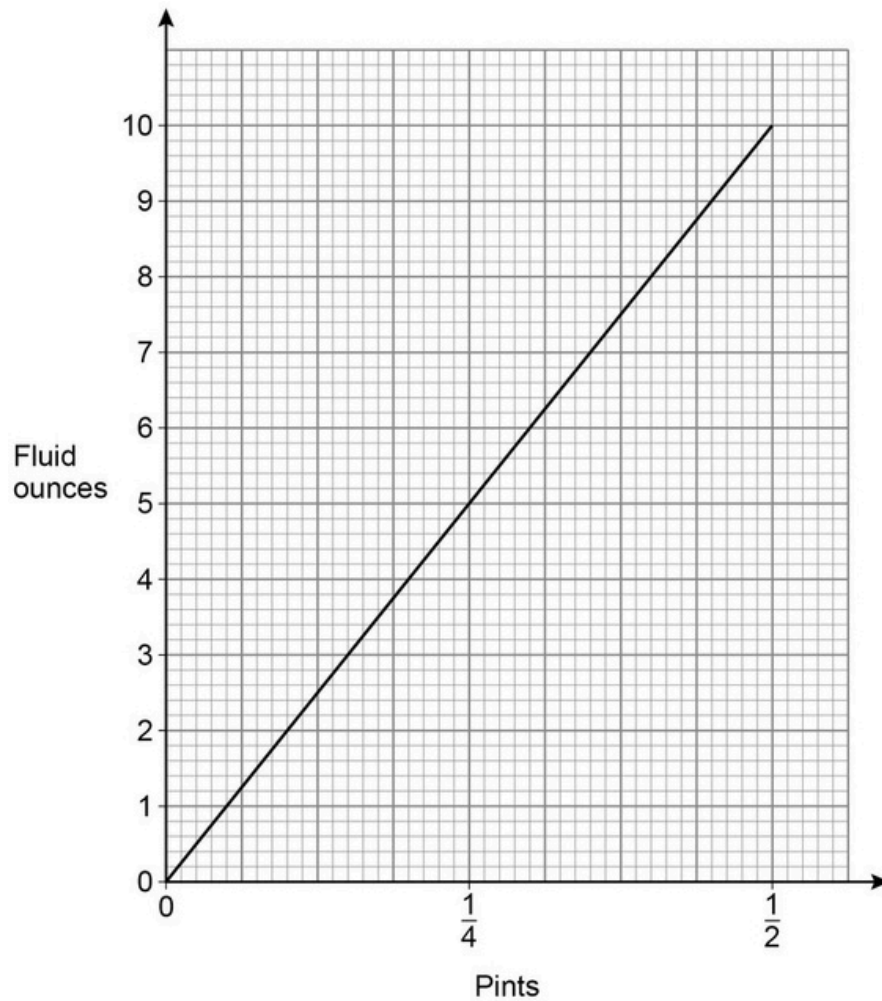
The sides of the square are **enlarged** by a scale factor of 3

Work out the perimeter of the enlarged square.

[2 marks]

Answer _____ cm

15 (a) Here is a graph for converting between pints and fluid ounces.



Convert $1\frac{1}{2}$ pints to fluid ounces.

Use the graph to help you.

[3 marks]

Answer _____ fluid ounces

- 15 (b)** Maya makes a table of values for converting between pounds and dollars.
She uses £1 = 1.2 dollars
Here is her attempt.

£	0	5	10	15	20
Dollars	0	6	14	18	24

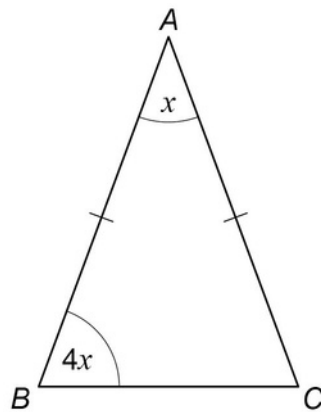
What mistake has she made?

[1 mark]

Turn over for the next question

Turn over ►

16

 ABC is an isosceles triangle.Not drawn
accuratelyWork out the size of angle ACB .**[3 marks]**

Answer _____°

- 17** What is 168 centimetres as a fraction of 6 metres?
Give your answer in its simplest form.

[2 marks]

Answer _____

- 18** Solve $5x + 8 = 2x - 10$

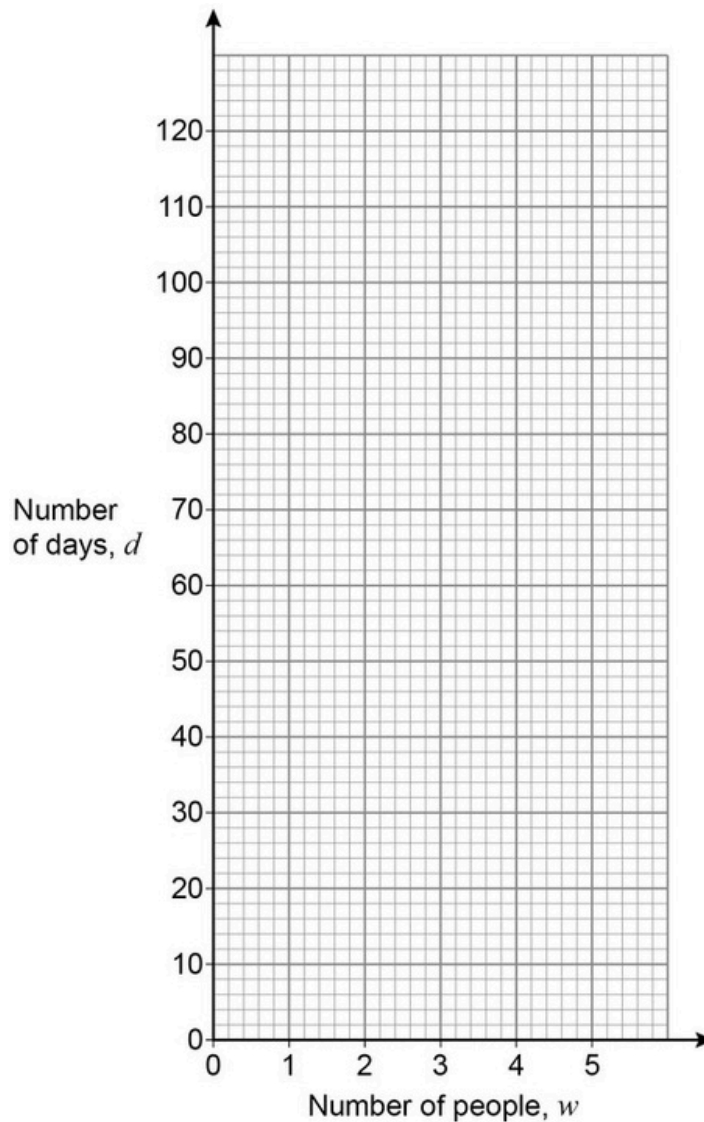
[3 marks]

 $x =$ _____**Turn over for the next question****Turn over ►**

- 19** The number of days needed to complete a job, d , is given by $d = \frac{120}{w}$
where w is the number of people working on the job.

- 19 (a)** On the grid, draw the graph of $d = \frac{120}{w}$ for values of w from 1 to 5

[2 marks]

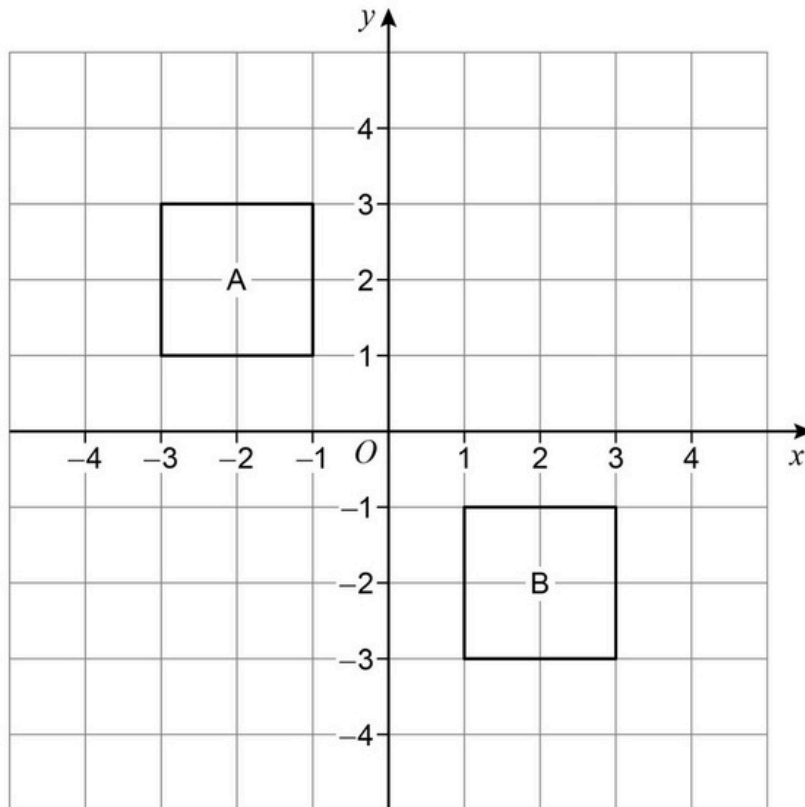


- 19 (b)** The job must be completed in 55 days.
Use the graph to work out the minimum number of people needed.

[2 marks]

Answer _____

20



A is mapped to B.

For each statement tick the correct box.

[2 marks]

	True	False
A to B is a reflection in the line $y = x$	☐	☐
A to B is a rotation 180° about the origin	☐	☐
A to B is a translation by $\begin{pmatrix} 2 \\ 2 \end{pmatrix}$	☐	☐

21 Here are three expressions.

$$2x + 3y$$

$$y - x$$

$$5y + 1$$

Quin adds two of these expressions.

Work out the **three** possible simplified answers.

[3 marks]

Answer _____

Answer _____

Answer _____

22 Work out $2^4 \times 8$

Give your answer as a single power of 2

[2 marks]

Answer _____

23 (a)

Work out

$$\begin{array}{r} \square 6 \square \\ \square 5 \square \\ \hline \square \square \square \end{array} - \begin{array}{r} \square 2 \square \square \\ \square 5 \square \\ \hline \square \square \end{array}$$

[1 mark]

Answer

23 (b)

Work out

$$\begin{array}{r} 3 \square \square \\ \square \square \\ \hline \square \square \end{array} \times \begin{array}{r} 4 \square \\ \square \square \\ \hline 1 \square \square \end{array}$$

[1 mark]

Answer

Turn over for the next question

- 24** Here are the first four terms of a quadratic sequence.

-15 -8 2 15

Work out the next **two** terms in the sequence.

[2 marks]

Answer _____ and _____

- 25** By writing as ordinary numbers in decimals, choose which of these numbers is **larger**.

$$\frac{1}{5000}$$

$$6 \times 10^{-4}$$

[2 marks]

Answer _____

26

Alex, Bob and Charlie share some sweets in the ratio 5 : 3 : 7

Charlie gets 36 **more** sweets than Bob.

How many sweets are there altogether?

[3 marks]

Answer _____

27

Ezra takes 50 free kicks.

The table shows the relative frequency of Ezra scoring after 5, 10, 20 and 50 free kicks.

Number of free kicks	5	10	20	50
Relative frequency	0.6	0.5	0.65	0.54

Write down the best estimate of the probability of Ezra scoring from a free kick.

Give a reason for your answer.

[2 marks]

Best estimate _____

Reason _____

END OF QUESTIONS

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