



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.

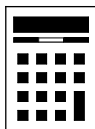
GCSE MATHEMATICS

F

Foundation Tier
First Third

Paper 2 Calculator

November 2024



For Examiner's Use	
Pages	Mark
2–3	
4–5	
6–7	
8–9	
10	
TOTAL	

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

1 (a) A linear sequence starts

4 7 10 13

Write down the next number in this sequence.

[1 mark]

Answer _____

1 (b) A different linear sequence starts

19 14 9 4

Write down the next number in this sequence.

[1 mark]

Answer _____

1 (c) Here is another sequence.

3 6 12 24

Write down the term-to-term rule for this sequence.

[1 mark]

Answer _____

2 Here is a price list.

Soap	£2.00
Candle	£4.55
Lip scrub	£1.75
Body cream	£3.80

2 (a) Work out the cost of three candles.

[1 mark]

Answer £ _____

2 (b) Sal has £7.50
He wants to buy one soap and one body cream.

Does he have enough money to also buy one lip scrub?

Tick a box.

Yes

☐

No

☐

Show working to support your answer.

[2 marks]

3 (a) Solve $5x = 30$

[1 mark]

$$x = \underline{\hspace{4cm}}$$

3 (b) Solve $-2 + y = 10$

[1 mark]

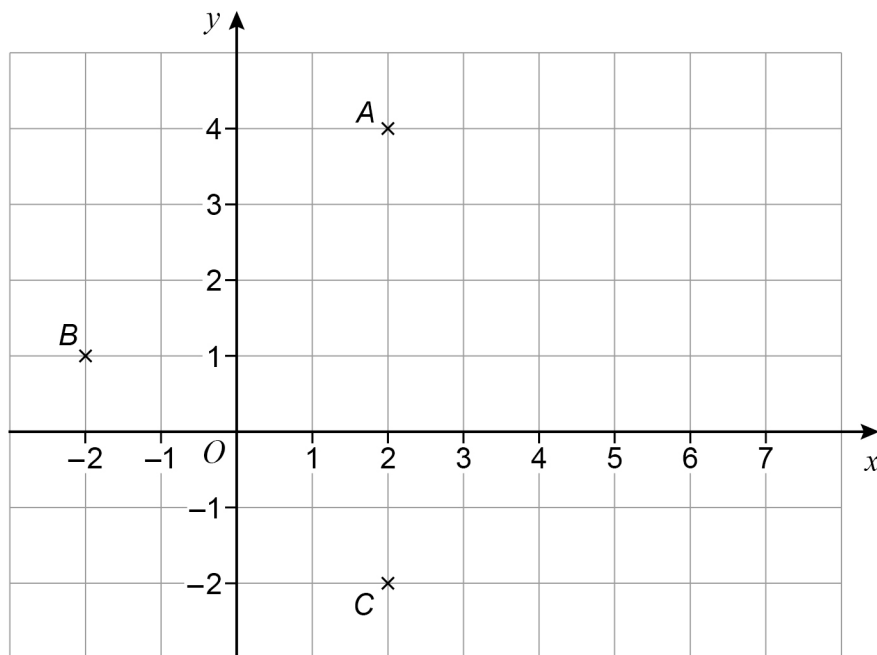
$$y = \underline{\hspace{4cm}}$$

3 (c) Simplify fully $\frac{20w}{4w}$

[2 marks]

Answer $\underline{\hspace{4cm}}$

- 4** Points A , B and C are plotted on a grid.



- 4 (a)** Write down the coordinates of C .

[1 mark]

Answer (_____ , _____)

- 4 (b)** Write down the coordinates of the midpoint of AC .

[1 mark]

Answer (_____ , _____)

- 4 (c)** Plot point D on the grid so that $ABCD$ is a rhombus.

[1 mark]

5 Here are five numbers.

14.2

15.1

16.5

16.7

18.0

5 (a) Work out the range.

[1 mark]

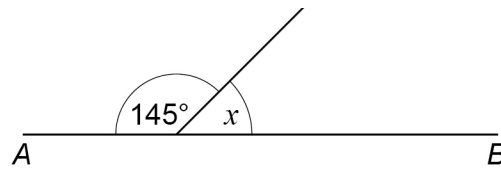
Answer _____

5 (b) Work out the mean.

[2 marks]

Answer _____

- 6 (a)** AB is a straight line.



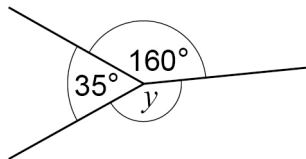
Not drawn
accurately

Work out the size of angle x .

[1 mark]

$$x = \underline{\hspace{2cm}}^{\circ}$$

- 6 (b)**



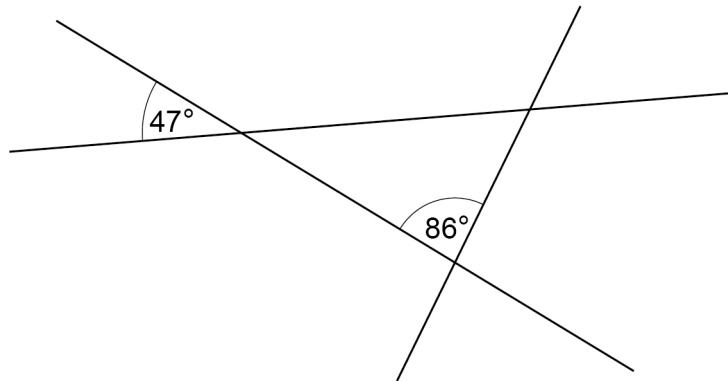
Not drawn
accurately

Work out the size of angle y .

[2 marks]

$$y = \underline{\hspace{2cm}}^{\circ}$$

- 6 (c) Three straight lines intersect as shown.



Not drawn
accurately

What type of triangle is made?

You **must** show your working.

[3 marks]

Answer _____

7

The table shows information about the packs of juice a family has.

Number of packs	Number of cartons in a pack
5	8
16	3

The family drinks 4 cartons of juice each day.

In total, how many days will their packs last?

[3 marks]

Answer _____ days

Turn over for the next question

8

100 people voted in an election for Jo, Kim or Liam.

The pictogram shows the results for Jo and Kim.

Key: ○ represents 8 people

Jo	○ ○ ○ ○ ○ ○
Kim	○ ○ ○ ○ ◐
Liam	

Complete the pictogram.

[3 marks]
