Year 5 maths: Graphs and timelines (Medium)

Maths · Data
Level: Medium

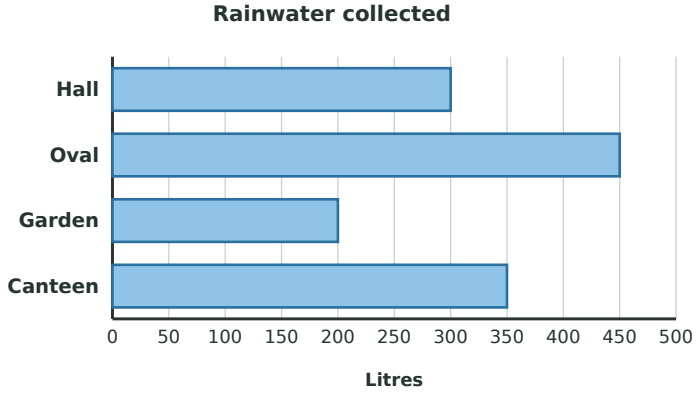
Student: _____ Date: _____

Instructions
- There are 10 questions. Read each one carefully.
- Write your answers on this paper. Use the space under a question to work it out.
- A grown-up can read a question aloud — that's fine.
- The answers are at the end. Check them together when you have finished.

Questions

1. How many litres of rainwater did the Oval tank collect?

Answer: ____ litres



Working:

2. How many tally marks are there altogether?

Answer: ☐ tally marks

Colour	Tally
Red	𝍸 𝍸 𝍸 ||
White	𝍸 𝍸 ||
Black	𝍸 ||||

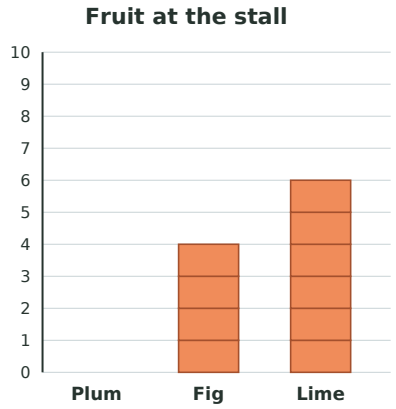
Working:

3. Finish the graph: build the Plum column from the tally table.

Answer: ☐ squares

Colour the squares for Plum on the graph, then write the number.

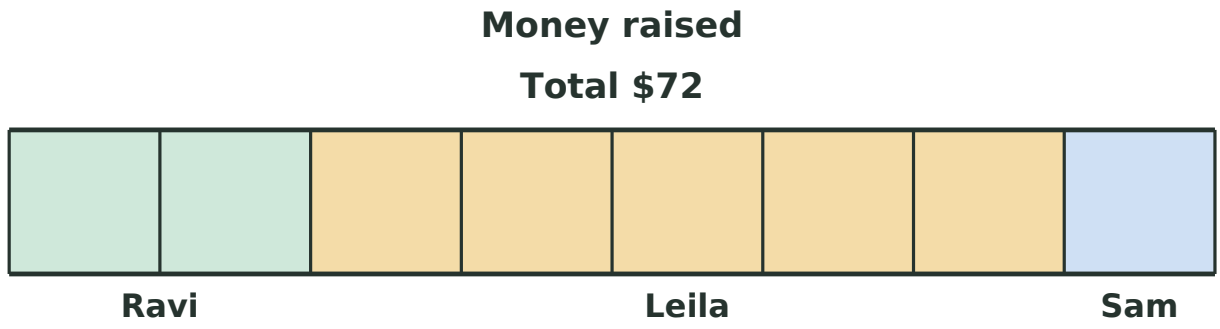
Fruit	Tally
Plum	𝍸 |||
Fig	||||
Lime	𝍸 |



Working:

4. The strip shows $72 shared. Each segment is the same size. How much money does Leila have?

Circle one answer.

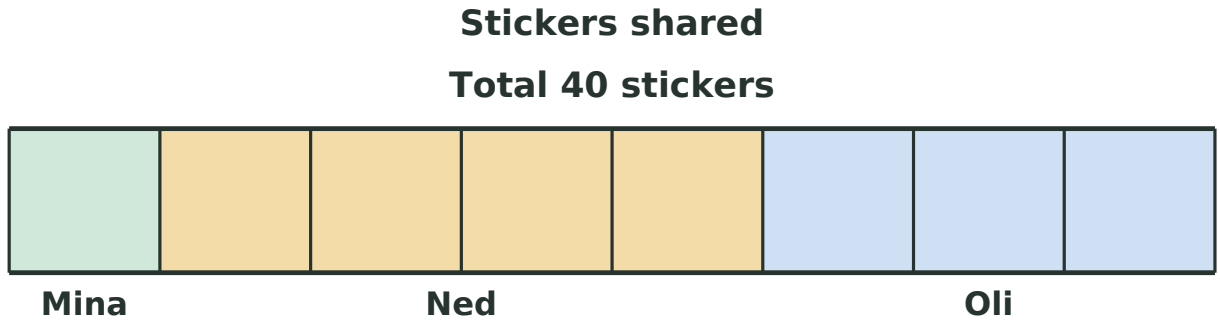


○ **A** 5 ○ **B** $45 ○ **C** $72

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5. The strip shows 40 stickers shared. Which friend has 20 stickers?

Circle one answer.

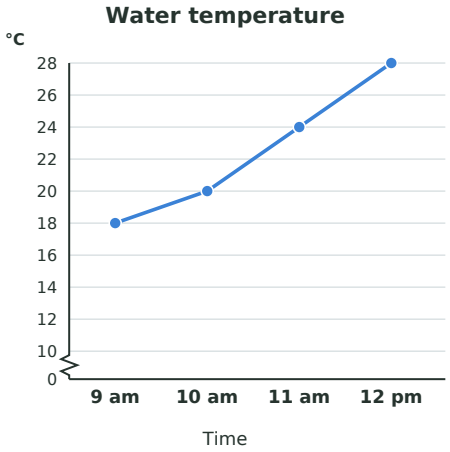


○ **A** Mina ○ **B** Oli ○ **C** Ned

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6. Go up from 11 am to the dot, then across. What was the temperature at 11 am?

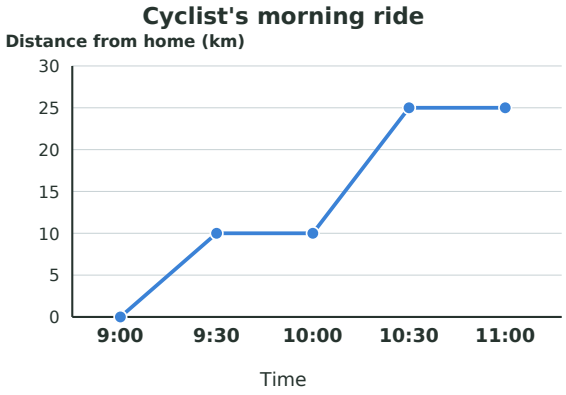
Answer: ____ °C



Working:

7. For how many minutes in total was the cyclist stopped?

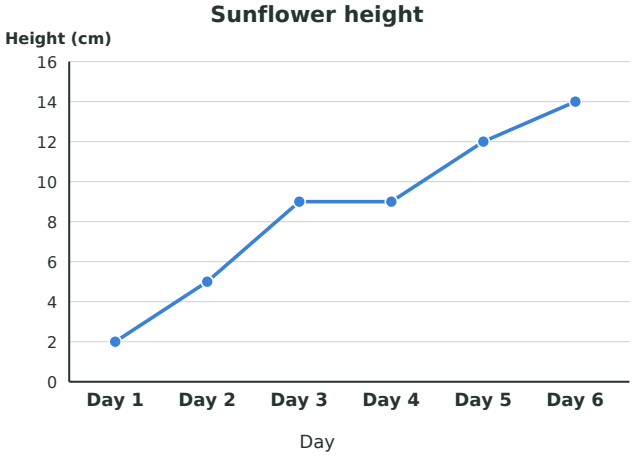
Answer: ____ minutes



Working:

8. Between which two days did the sunflower not grow?

Circle one answer.

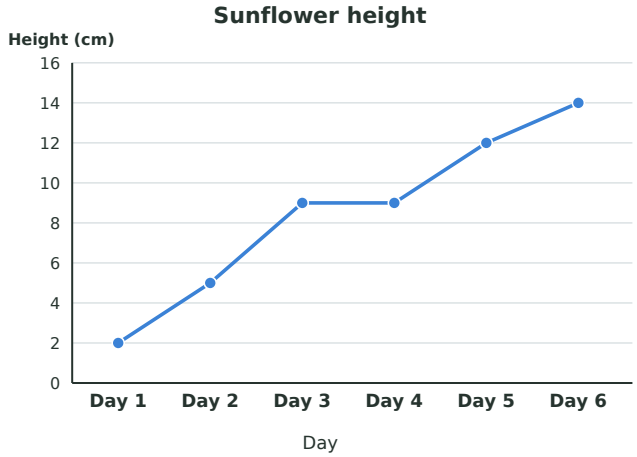


○ **A** Day 1 and Day 2 ○ **B** Day 4 and Day 5 ○ **C** Day 3 and Day 4

○ **D** Day 5 and Day 6

9. How many centimetres did the sunflower grow between Day 2 and Day 3?

Answer: ☐ cm



Working:

10. Lena scored 3 goals and Priya scored 5. Nic's bar shows as many goals as Lena and Priya together. What number does Nic's bar show?

Answer: ☐ goals

Working:

Answer key

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1. 450 litres
The Oval bar ends on the line for 450. The lines go up in 50s.

2. 38 tally marks
17 + 12 + 9 = 38.

3. 8 squares
Plum has 8 tally marks, so the column is 8 squares tall.

4. B — $45
8 equal segments share $72, so each is $9. Leila has 5 segments: 5 × $9 = $45.

5. C — Ned
Each segment is 5 stickers (40 ÷ 8). Ned has 4 segments: 20 stickers.

6. 24 °C
The dot at 11 am is level with 24. The lines go up in 2s.

7. 60 minutes
The line is flat from 9:30 to 10:00 (30 minutes) and from 10:30 to 11:00 (30 minutes). 30 + 30 = 60 minutes.

8. C — Day 3 and Day 4
The height stayed at 9 cm from Day 3 to Day 4, so the line is flat there.

9. 4 cm
Day 2: 5 cm. Day 3: 9 cm. 9 − 5 = 4 cm.

10. 8 goals
3 + 5 = 8.