Year 5 maths: Graphs and timelines (Hard)

Maths · Data
Level: Hard

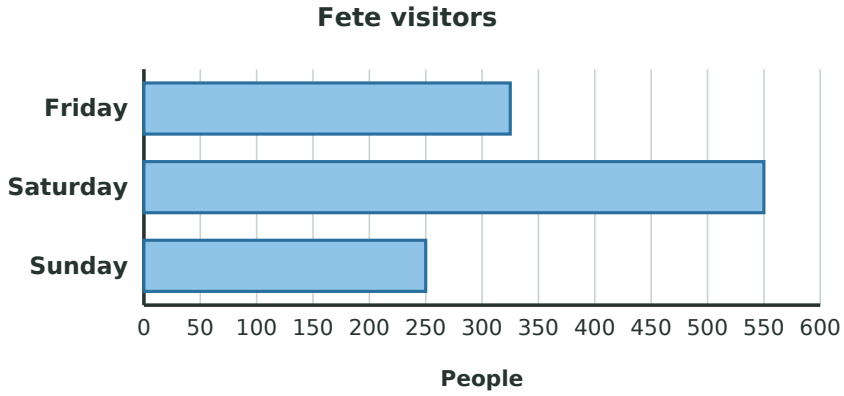
Student: _____ Date: _____

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 people came to the school fete altogether on the three days? (Each bar ends exactly on a line or exactly half way between two lines.)

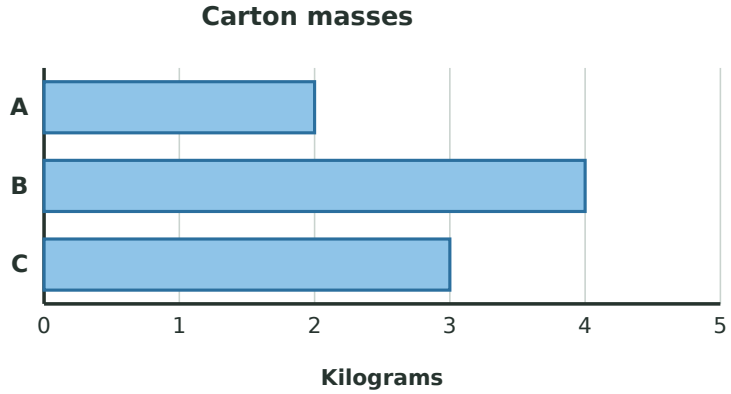
Answer: _____ people



Working:

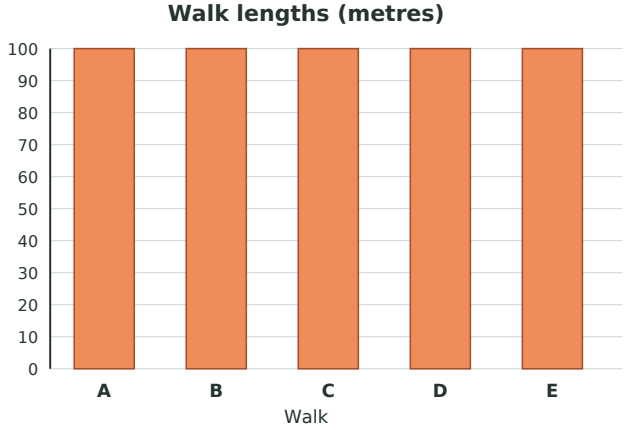
2. How many kilograms do cartons B and C weigh altogether?

Circle one answer.



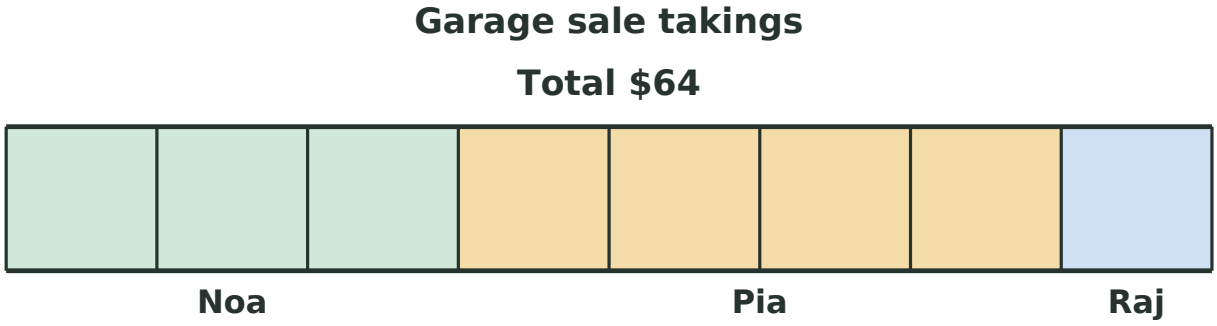
○ **A** 3 ○ **B** 7 ○ **C** 9

3. Two walks together make exactly 1 km. Write the two letters of the columns, like A and B.



4. The strip shows $64 shared in 8 equal segments. How much does Noa have?

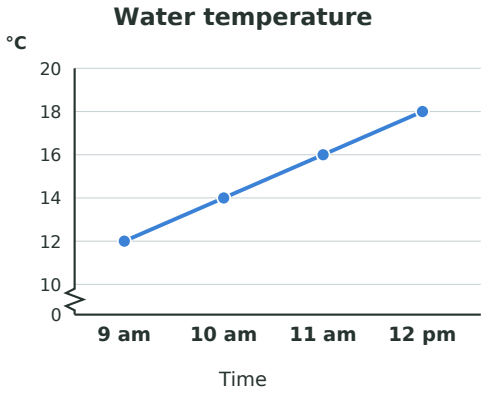
Answer: $ ____



Working:

5. How many degrees did the water temperature rise between 9 am and 12 pm?

Circle one answer.



○ **A** 30 °C ○ **B** 6 °C ○ **C** 3 °C

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6. A museum opened in 1965 and a gallery in 2010 (see the timeline). How many years after the museum did the gallery open?

Answer: _____ years

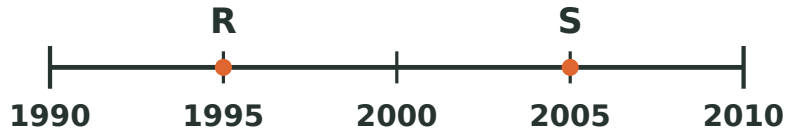


Working:

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7. Sam was born in 2005 (S) and Rhea in 1995 (R). How much older is Rhea?

Circle one answer.



○ **A** 10 years ○ **B** 2005 years ○ **C** 4000 years

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8. Three events happened on the timeline in the order A, B, C. B was 12 years after A and C was 15 years after B. How many years from A to C?

Circle one answer.

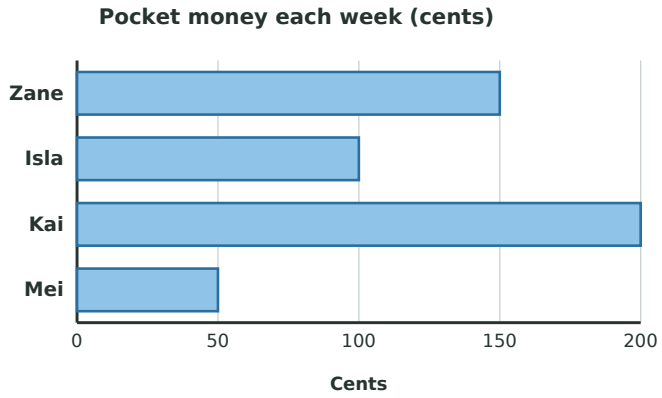


○ **A** 27 ○ **B** 3 ○ **C** 15

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9. Kai saves his pocket money each week. How many dollars will Kai have after 10 weeks?

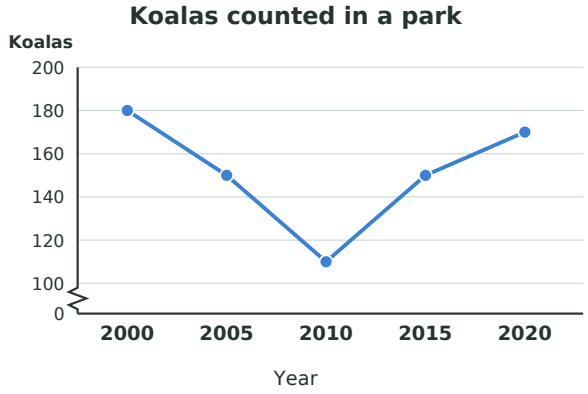
Answer: ☐ dollars



Working:

10. Between which two counts did the number of koalas rise the most?

Circle one answer.



○ **A** 2010 and 2015

○ **B** 2000 and 2005

○ **C** 2005 and 2010

○ **D** 2015 and 2020

Answer key

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1. 1125 people
Friday 325 + Saturday 550 + Sunday 250 = 1125.

2. B — 7
B is 4 kg and C is 3 kg. 4 + 3 = 7 kg.

3. B and D (also accepted: D and B)
B is 700 m and D is 300 m. 700 + 300 = 1000 m = 1 km.

4. $24
Each segment is $64 ÷ 8 = $8. Noa has 3 segments: $24.

5. B — 6 °C
At 9 am it was 12 and at 12 pm it was 18. 18 - 12 = 6.

6. 45 years
2010 - 1965 = 45 years.

7. A — 10 years
2005 - 1995 = 10 years.

8. A — 27
12 + 15 = 27 years.

9. 20 dollars
Kai's bar shows 200 cents a week. 10 × 200 = 2000 cents = $20.

10. A — 2010 and 2015
2010 to 2015 rose by 40. 2015 to 2020 rose by 20. The other changes were falls.