Year 3 maths: Checking claims about data (Medium)

Maths · Data
Level: Medium

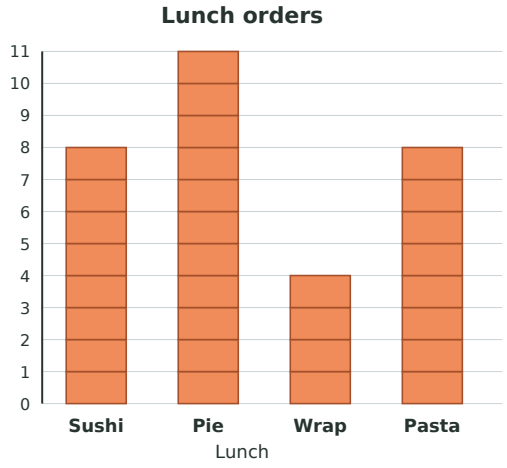
Student: _____ Date: _____

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. There are 35 children in the class. Each child who ordered chose one lunch. How many children did not order?

Answer: ☐ children



Working:

2. Which claim about the ice-cream votes is true?

Circle one answer.

Flavour	Votes
Vanilla	𝍸 ||||
Chocolate	𝍸 𝍸 ||
Mango	𝍸 |
Strawberry	||||

○ **A** Mango got 9 votes.

○ **B** Strawberry got 5 votes.

○ **C** Vanilla got 9 votes.

○ **D** Chocolate got 10 votes.

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3. Each car picture means 5 cars. How many cars came through the gate on Wednesday?

Answer: ____ cars

Cars through the school gate

Mon 🚗🚗🚗🚗🚗🚗

Tue 🚗🚗🚗🚗

Wed 🚗🚗🚗🚗🚗🚗🚗

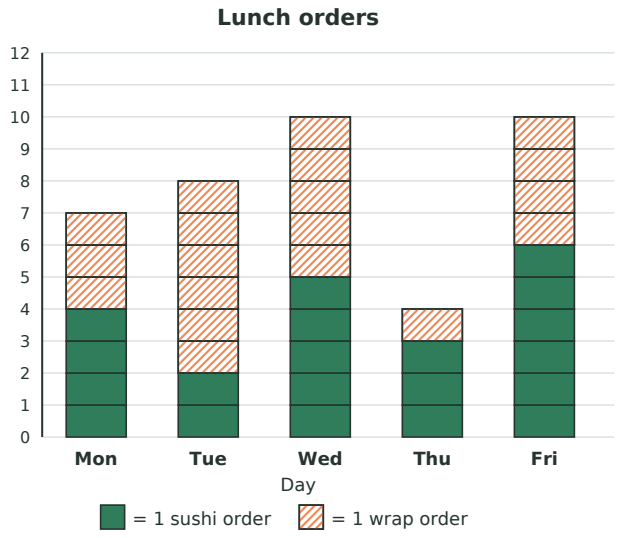
Each picture means 5 cars

Working:

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4. How many wraps were ordered over the whole week?

Answer: ____ wraps

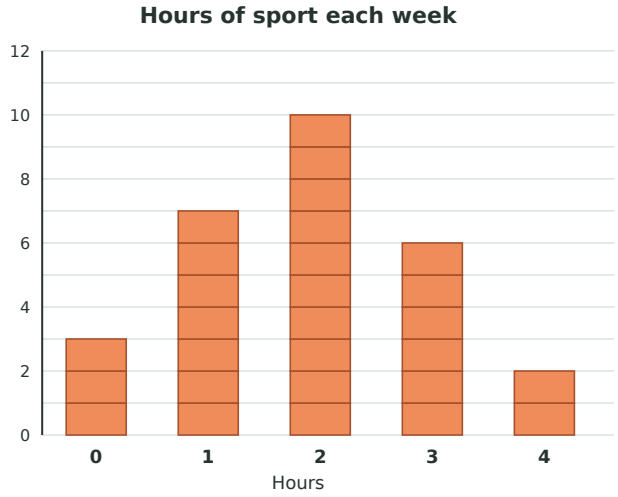


Working:

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5. Claim: "Twice as many children did 1 hour of sport as did 4 hours." Is it true?

Circle one answer.



○ **A** True ○ **B** False

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6. Bag 1 has 9 red balls. Bag 2 has 3 red balls. How many red balls must move from Bag 1 to Bag 2 so both bags have the same number?

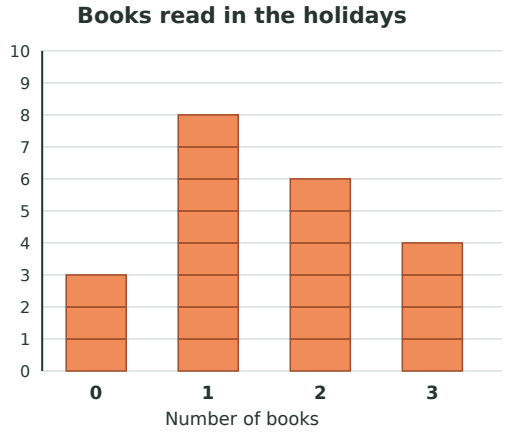
Circle one answer.

○ **A** 6 ○ **B** 3 ○ **C** 12

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7. Claim: "Twenty students were asked." Is the claim true?

Circle one answer.

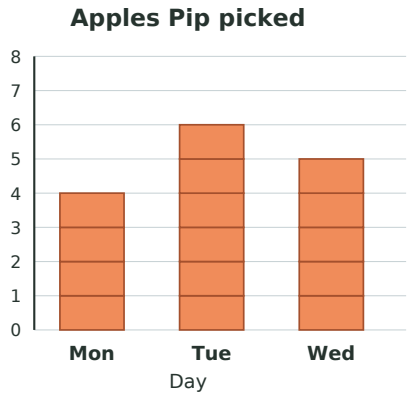


○ **A** True ○ **B** False

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8. The graph shows how many apples Pip picked each day. Sam picked the same number of apples altogether. Sam picked 8 on Monday and 3 on Tuesday. How many did Sam pick on Wednesday?

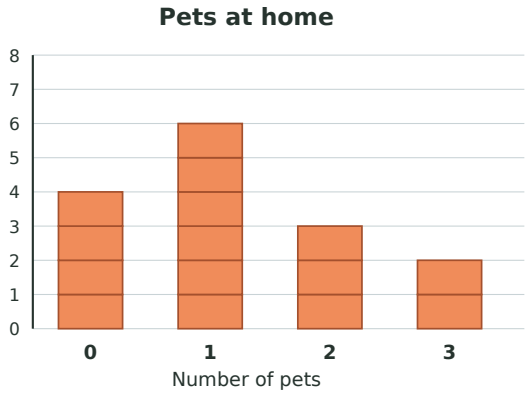
Circle one answer.



○ **A** 11 ○ **B** 4 ○ **C** 15 ○ **D** 5

9. How many children have at least two pets?

Circle one answer.



○ **A** 2 ○ **B** 3 ○ **C** 5 ○ **D** 15

10. Each star means $20. Claim: "Class 5S raised $30 more than Class 5T." Is the claim true?

Circle one answer.

Money raised

5S	★★★½
5T	★★

★ = $20

○ **A** Yes, it is true. ○ **B** No, $40 more.

○ **C** No, $70 more. ○ **D** No, only $20 more.

Answer key

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1. 4 children

Orders: 8 + 11 + 4 + 8 = 31. 35 − 31 = 4 did not order.

2. C — Vanilla got 9 votes.

Vanilla has a bundle of 5 and 4 more: 9. Chocolate is 12, mango 6, strawberry 4.

3. 35 cars

Wednesday has 7 pictures. Count in 5s: 5, 10, 15, 20, 25, 30, 35.

4. 19 wraps

Wraps are the striped parts: Mon 3, Tue 6, Wed 5, Thu 1, Fri 4. 3 + 6 + 5 + 1 + 4 = 19.

5. B — False

1 hour: 7. 4 hours: 2. Twice 2 is 4, not 7, so the claim is false.

6. B — 3

9 + 3 = 12 red balls. Half of 12 is 6 each. Bag 1 has 9, so 9 − 6 = 3 move.

7. B — False

3 + 8 + 6 + 4 = 21 students, not 20. The claim is false.

8. B — 4

Pip: 4 + 6 + 5 = 15. Sam so far: 8 + 3 = 11. 15 − 11 = 4 apples.

9. C — 5

At least two means 2 or 3 pets: 3 + 2 = 5.

10. A — Yes, it is true.

5S: 3½ pictures = $60 + $10 = $70. 5T: 2 pictures = $40. $70 − $40 = $30. The claim is true.