Year 2 maths: Comparing data in graphs (Hard)

Maths · Data
Level: Hard

Student: _____ Date: _____

Instructions
- There are 8 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. Each picture means 2 stickers. How many stickers did Nina collect?

Answer: ☐ stickers

Stickers collected

Ava	★★★★★★
Leo	★★★★
Nina	★★★★★★★

Each picture means 2

Working:

2. Which of these can you NOT find out from this graph?

Circle one answer.

Favourite fruit

Apples	🍎🍎🍎
Bananas	🍌🍌🍌🍌🍌
Strawberries	🍓🍓🍓🍓

○ **A** how many children chose bananas

○ **B** which fruit Mai chose

○ **C** which fruit is the least popular

3. Omar says, "Bananas has 5 pictures, so 5 children chose bananas." Each picture means 2. How many children chose bananas?

Circle one answer.

Favourite fruit

Apples	🍎🍎🍎
Bananas	🍌🍌🍌🍌🍌
Strawberries	🍓🍓

Each picture means 2

○ **A** 10, because each picture means 2

○ **B** 5, because there are 5 pictures

○ **C** 7, because 5 + 2 = 7

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4. Make the picture graph match the column graph. Each picture means 2. Build the Table 3 row.

Answer: ☐ pictures



Stars earned

Table 1	🔵🔵🔵🔵
Table 2	🔵🔵
Table 3	

Working:

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5. Each picture means 2 books. On which day were the fewest books borrowed, and how many?

Circle one answer.

Library books borrowed



Each picture means 2

○ **A** Tuesday, 2 books

○ **B** Tuesday, 4 books

○ **C** Monday, 12 books

○ **D** Friday, 0 books

Read this, then answer questions 6–7.

Ana's weather calendar

1–7 March: sunny, sunny, cloudy, wet, wet, sunny, sunny

8–14 March: cloudy, cloudy, sunny, sunny, sunny, windy, wet

15–21 March: wet, wet, wet, cloudy, sunny, sunny, sunny

6. Ana wrote the weather each day from 1 to 21 March. How many days were NOT sunny?

Answer: ☐ days

Working:

7. Look at Ana's weather calendar. How many more sunny days were there than wet and windy days together?

Answer: ☐ more

Working:

8. Dev wrote the weather each day as sunny, wet or windy. He wants to draw a column graph of it. Which labels should his columns have?

Circle one answer.

○ **A** Monday, Tuesday, Wednesday ○ **B** Sunny, Wet, Windy

○ **C** Hot, Very hot, Cloudy

Answer key

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1. 14 stickers

Nina has 7 pictures. Count by 2s: 2, 4, 6, 8, 10, 12, 14.

2. B — which fruit Mai chose

The graph counts how many chose each fruit, but it doesn't show names, so we can't tell which fruit Mai chose.

3. A — 10, because each picture means 2

Omar forgot the key. 5 pictures of 2 is 2, 4, 6, 8, 10.

4. 3 pictures

Table 3 earned 6 stars. Each picture means 2, so 6 needs 3 pictures: 2, 4, 6.

5. B — Tuesday, 4 books

Tuesday has the fewest pictures: 2. Each picture means 2, so 4 books. Friday is not on the graph.

6. 11 days

Sunny is 4 + 3 + 3 = 10. That leaves 21 − 10 = 11 days.

7. 3 more

Sunny 10. Wet 6 + windy 1 = 7. 10 − 7 = 3 more.

8. B — Sunny, Wet, Windy

The columns must match the weather in the record: sunny, wet and windy.