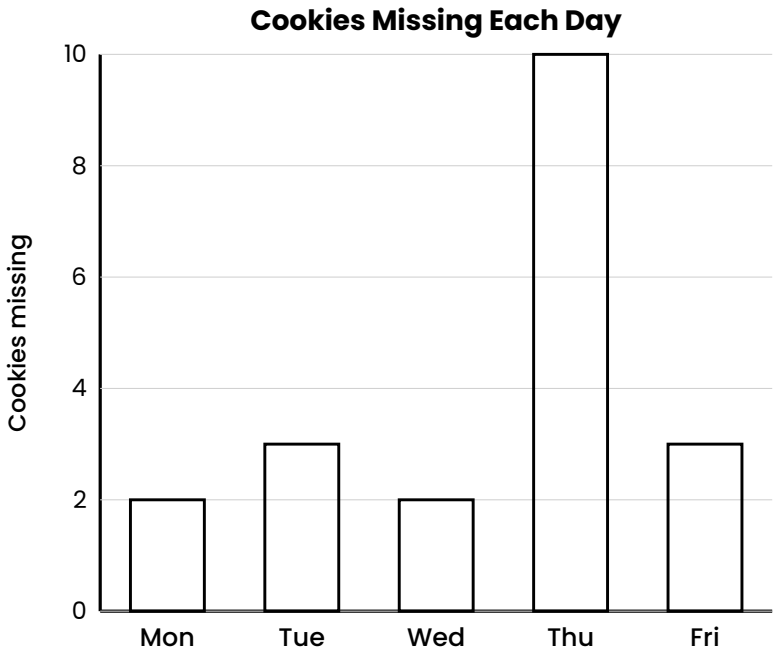
CHAPTER 6 - MYSTERY CASE 1

Case 1: The Cookie Jar Mystery

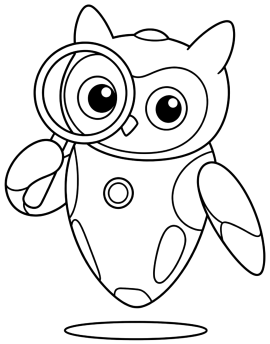
LEVEL ★☆☆

Someone is sneaking cookies from the kitchen jar! Zeta counted how many cookies disappeared each day and made a bar graph. Use the graph and the clues to crack the case.



CLUES

1. Grandpa visits only on Thursdays.
2. Mia eats exactly 2 cookies after school every day.
3. Max the dog cannot open the jar.
4. On Thursday, the jar lid was found on the floor.
5. Dad says he never eats cookies.



Mia's 2 cookies a day explain some missing cookies. Look for the cookies that Mia's habit does NOT explain!

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Case 1: Solve It!

LEVEL ★☆☆

DETECTIVE STEPS

1. Read each bar: go to the top of the bar, then look left to the number.
2. Mia eats 2 cookies every day, so take 2 away from each day's number.
3. The day with the most cookies left over is the strange day. Which clue is about that day?

1. On which day did the MOST cookies go missing?

Thursday (the tallest bar) EXAMPLE

2. How many cookies went missing in the whole week?

3. Mia eats 2 cookies a day. How many EXTRA cookies (not Mia's) vanished each day? Write all 5 days.

4. Which clue matches the day with the most extra cookies?

DETECTIVE'S CONCLUSION

Who or what did it? Use evidence from the data:

Start like this: I think ... because the data shows ...

The Cookie Jar Mystery

Answer key for parents and teachers

1. Thursday. Ten cookies went missing that day.
2. 20 cookies went missing across the five days.
3. Extra cookies after subtracting Mia's two each day:
   Monday 0, Tuesday 1, Wednesday 0, Thursday 8, Friday 1.
4. Clue 1. Grandpa visits only on Thursdays.

Sample conclusion

Grandpa is the most likely extra cookie eater because he visits only on Thursday, when eight extra cookies vanished. Accept other conclusions supported by the evidence.