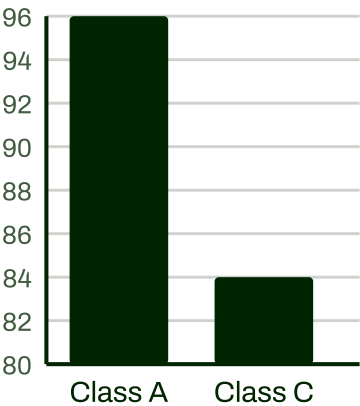


Detect a truncated or distorted axis

NAME	DATE	SCORE
		/ 10

1

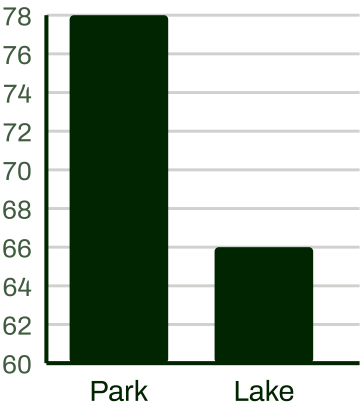
The bar graph shows how many cans two classes collected. The bar for Class A is 4 times as tall as the bar for Class C. Did Class A collect 4 times as many cans as Class C?



- ☐ No: Class A collected only 6 more cans
- ☐ No: the scale starts at 80, so Class A collected only 12 more cans
- ☐ Yes: its bar is 4 times as tall
- ☐ Yes: Class A collected 16 and Class C collected 4

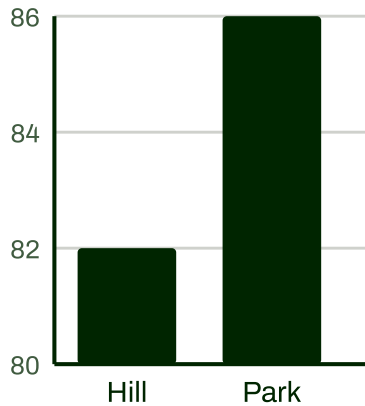
2

The bar graph shows how many tickets two schools sold for a show. The bar for Park School is 3 times as tall as the bar for Lake School. How many more tickets did Park School sell than Lake School?



3

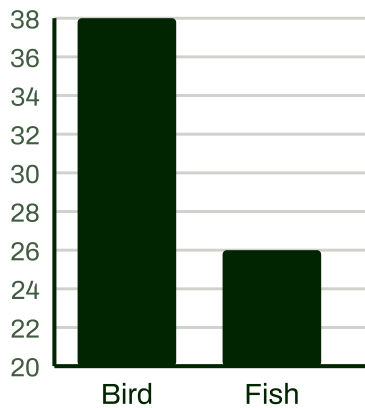
The bar graph shows how many tickets two schools sold for a show. The bar for Park School is 3 times as tall as the bar for Hill School. Did Park School sell 3 times as many tickets as Hill School?



- ☐ Yes: its bar is 3 times as tall ☐ No: Park School sold only 2 more tickets
☐ No: the scale starts at 80, so Park School sold only 4 more tickets
☐ Yes: Park School sold 6 and Hill School sold 2

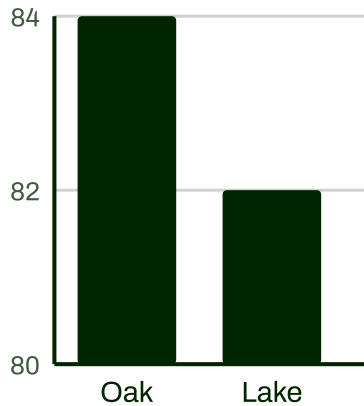
4

The bar graph shows how many votes two pets got when a school chose a class pet. The bar for the bird is 3 times as tall as the bar for the fish. How many more votes did the bird get than the fish?



5

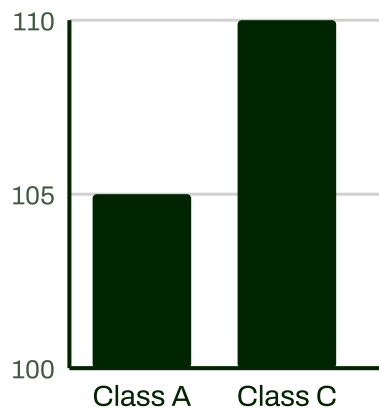
The bar graph shows how many tickets two schools sold for a show. The bar for Oak School is 2 times as tall as the bar for Lake School. Did Oak School sell 2 times as many tickets as Lake School?



- ☐ No: Oak School sold only 1 more ticket ☐ Yes: Oak School sold 4 and Lake School sold 2
☐ Yes: its bar is 2 times as tall
☐ No: the scale starts at 80, so Oak School sold only 2 more tickets

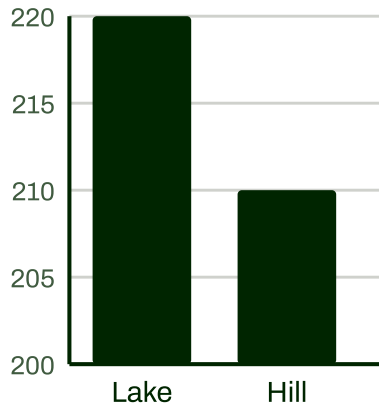
6

The bar graph shows how many cans two classes collected. The bar for Class C is 2 times as tall as the bar for Class A. How many more cans did Class C collect than Class A?



7

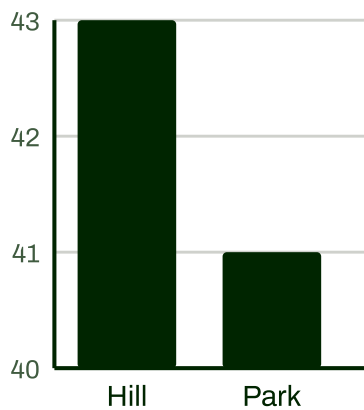
The bar graph shows how many tickets two schools sold for a show. The bar for Lake School is 2 times as tall as the bar for Hill School. Did Lake School sell 2 times as many tickets as Hill School?



- ☐ Yes: Lake School sold 20 and Hill School sold 10
☐ No: Lake School sold only 2 more tickets ☐ Yes: its bar is 2 times as tall
☐ No: the scale starts at 200, so Lake School sold only 10 more tickets

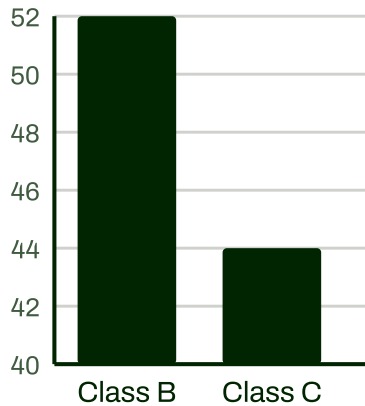
8

The bar graph shows how many tickets two schools sold for a show. The bar for Hill School is 3 times as tall as the bar for Park School. How many more tickets did Hill School sell than Park School?



9

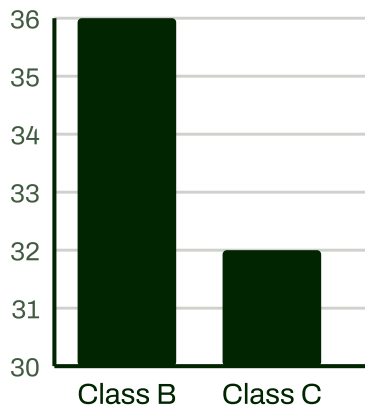
The bar graph shows how many cans two classes collected. The bar for Class B is 3 times as tall as the bar for Class C. Did Class B collect 3 times as many cans as Class C?



- ☐ Yes: its bar is 3 times as tall ☐ No: Class B collected only 4 more cans
☐ No: the scale starts at 40, so Class B collected only 8 more cans
☐ Yes: Class B collected 12 and Class C collected 4

10

The bar graph shows how many cans two classes collected. The bar for Class B is 3 times as tall as the bar for Class C. How many more cans did Class B collect than Class C?



Detect a truncated or distorted axis

1	No: the scale starts at 80, so Class A collected only 12 more cans	2	12
3	No: the scale starts at 80, so Park School sold only 4 more tickets	4	12
5	No: the scale starts at 80, so Oak School sold only 2 more tickets	6	5
7	No: the scale starts at 200, so Lake School sold only 10 more tickets	8	2
9	No: the scale starts at 40, so Class B collected only 8 more cans	10	4