Graphsmith

TEACHER ANSWER KEY

From Class Survey to Bar Graph

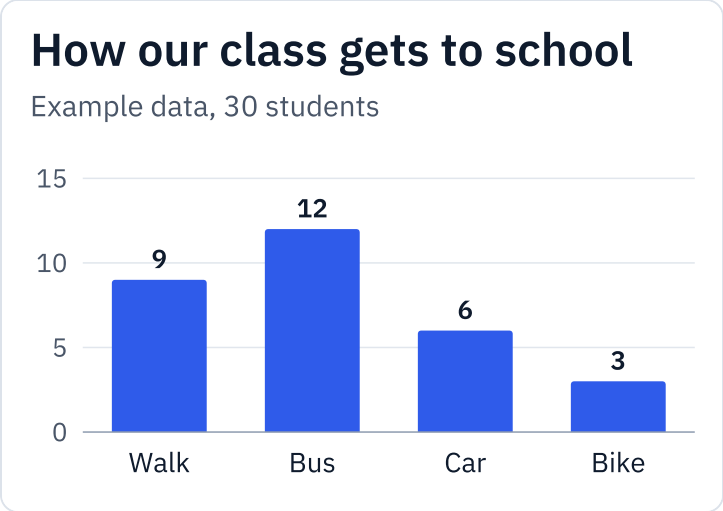
Worked results for the student worksheet. All numbers are example data.

1 Finished table

WAY	TALLY	COUNT	PERCENT
Walk	𝍸 ||||	9	30%
Bus	𝍸 𝍸 ||	12	40%
Car	𝍸 |	6	20%
Bike	|||	3	10%
Total		**30**	**100%**

Open the editable bar graph

2 Finished bar graph



3 Worked answers

1 How many students answered the survey?

30 students

9 + 12 + 6 + 3 = 30

2 Which way to school is the most common?

Bus

12 is more than 9, 6 or 3, so Bus has the tallest bar.

3 How many more students ride the bus than bike?

9 more students

12 − 3 = 9

4 How many students do not ride the bus?

18 students

30 − 12 = 18, the same as 9 + 6 + 3

5 What percent of the class walks?

30%

9 ÷ 30 = 0.30

6 True or false: most of the class rides the bus. Explain.

False

12 ÷ 30 = 40%, which is less than half. Bus is the most common answer, but it is not a majority.

4 Teaching notes

BEFORE

Ask students to predict the most common answer and write it down.

DURING

Check that each bar starts at zero and stops at the count in the table.

AFTER

Open the editable graph, change one number, and ask what happens to the percents.