Name _____

Another Look! 9 students answer a survey about their favorite pet.
4 students vote for dog. 3 students vote for fish.
The rest of the students vote for cat.
How many students vote for cat? Complete the
picture graph to show the results of the survey.

2 students chose cat as their favorite pet.

What strategies can you use to solve the problem?

HOME ACTIVITY Along with your child, think of a survey question to ask friends or family members. For instance, "Do you prefer grapes, bananas, or pineapples?" Record the results of your survey in a tally chart. Think of some questions about the data, such as, "How many more people chose bananas than grapes?" Have your child write an equation to solve the problem.

Favorite Pet						
🐱 Dog	🐕	🐕	🐕	🐕		
🐟 Fish	🐟	🐟	🐟			
🐈 Cat	🐈	🐈				

$9 = 4 + 3 + \underline{}$

$9 = 7 + \underline{2}$

Use the picture graph above to answer the question.

1. 4 more students take the survey. Now cat has the most
votes and fish has the fewest votes. Use pictures, words,
or equations to explain how the 4 students voted.

_____

Snack Time

Phil asks friends to choose their favorite snack.

The tally chart at the right shows the results.

Favorite Snack

Pretzels 🥨	Yogurt
IIII	⅄⅄ IIII

2. **Reasoning** Which snack is the favorite? How many more friends chose that snack?

3. **Model** How many of Phil's friends answered the survey? Write an equation to show your thinking.

4. **Make Sense** Phil adds grapes as a third choice in his survey. He asks the same friends to answer the survey again. The new survey results are shown in the tally chart at the right. How did the votes change? Use pictures, words, or equations to explain.

Favorite Snack

Pretzels 🥨	Yogurt	Grapes 🍇
III	⅄⅄ I	IIII