# Use Bar Graphs to Compare

Let's use bar graphs to solve Compare problems.

### Warm-up

## True or False: Make 10 with 9

Decide if each statement is true or false. Be prepared to explain your reasoning.
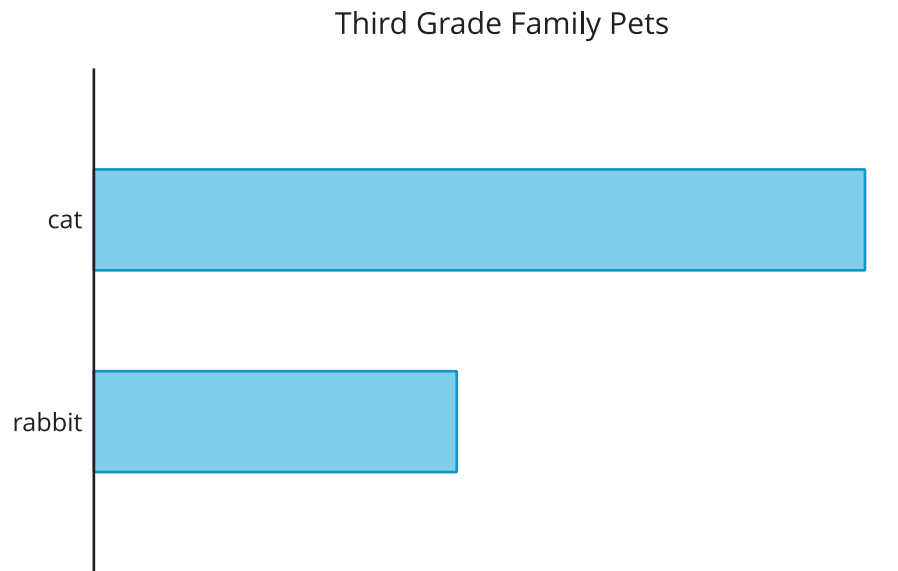
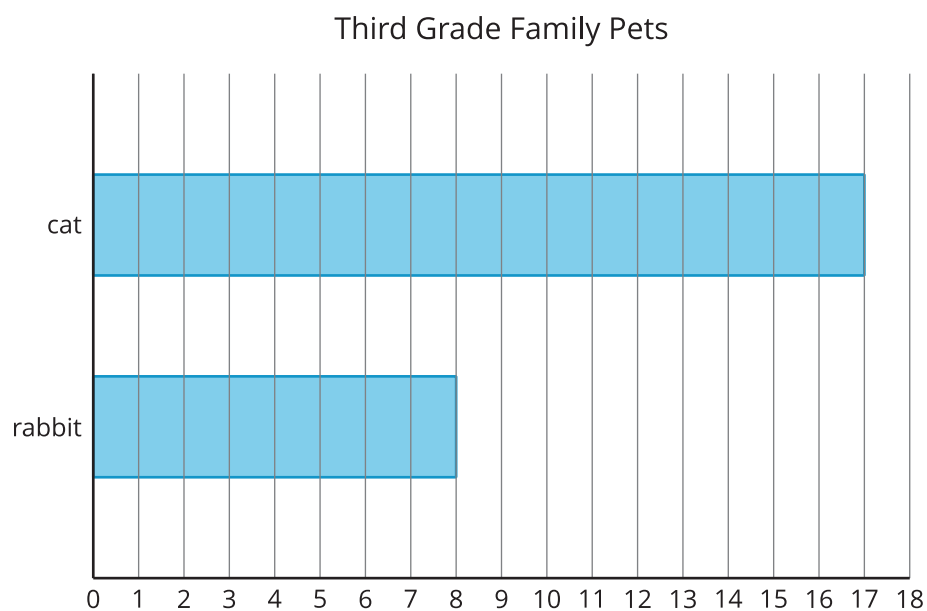- $9 + 4 = 9 + 1 + 3$

- $9 + 4 = 10 + 3$

- $9 + 5 = 10 + 6$

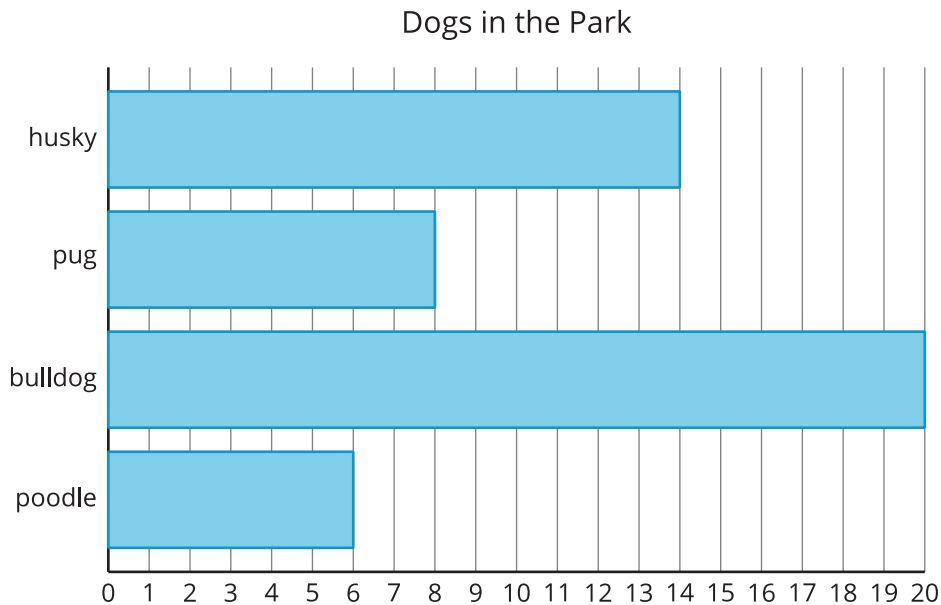## What's the Difference?

What do you notice? What do you wonder?

Third Grade Family Pets

cat

rabbit

## Third Grade Family Pets



How many more students have cats than rabbits? Show 2 ways to find the difference.

## Dogs in the Park

Kiran and Lin counted the types of dogs in a park. Their data is in this bar graph.

Dogs in the Park

| | |
|---|---|
| husky | |
| pug | |
| bulldog | |
| poodle | |

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

1.  Make this statement true. There are more

   _____ than _____.

2.  Write an addition and subtraction equation to show how many more.

3. Make this statement true. There are fewer

_____ than _____.

4. Write an addition and a subtraction equation to show how many fewer.