Unit 4, Lesson 23

What Happens When You Estimate?

Let's estimate how many objects are in a group.

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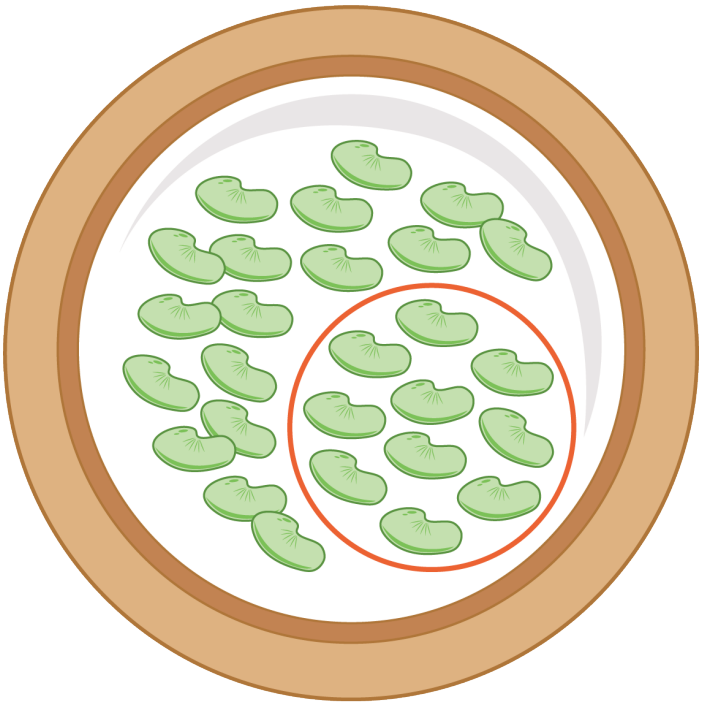
Warm-up

Estimation Exploration: Beans

How many beans are there?



Record an estimate that is:

too low	about right	too high

Activity 1

Should We Estimate?

1. Mai wants to know how many balloons her mom blew up. She looks at the balloons. She estimates that there are about 10.

estimate

find an exact amount

2. Mai helps her mom bake cupcakes. They estimate that about 15 children are coming to the party. They make 15 cupcakes.

estimate find an exact amount

3. Mai sees the party hats on the table. She estimates that there are about 20 hats. She decides that is enough for everyone to get one.

estimate find an exact amount

4. Mai hangs up a birthday sign with lots of stars on it. She estimates that there are about 50 stars.

estimate find an exact amount

Activity 2

Card Sort: Estimating Quantities

1. Sort the pictures into these 3 categories:

   less than 20 20–50 more than 50

2. Andre's teacher needs at least 25 crayons. Do you think he should count the crayons to get an exact number? Explain your reasoning.

   _____

   _____

3. Andre's teacher needs 15 paper clips. Do you think he should count the paper clips to get an exact number? Explain your reasoning.

   _____

   _____