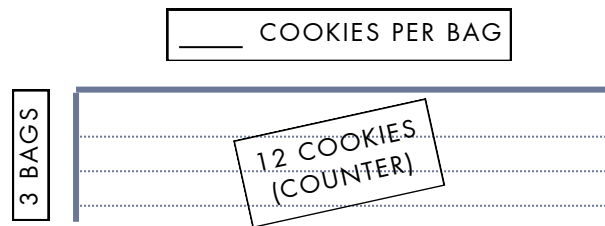


Number Story Question Stems - Repeated Equal Groups

There are twelve cookies on the counter. If you are sharing them equally between 3 bags, how many cookies will go in each bag?



Teacher Note: The question stems below can be used in any lesson that involves word problems describing the process of composing 2 or more parts to form a total or decomposing a total into two or more parts.

What is the math main idea?

The story describes a group of cookies being decomposed into 3 equal groups.

What group are we decomposing or partitioning?

We are decomposing a group of cookies.

What is the story setting?

The story takes place on a counter.

Is there an action in the number story?

Yes. The action is sharing.

What Structure of Equality is helpful when a number story describes composing equal groups to form a total or like this one, decomposing a total into equal groups?

When a number story describes decomposing a total into equal groups, we can use a Repeated Equal Groups SoE or a Parts Equal Total SoE.

What is the total amount of cookies we are decomposing into equal groups?

We are decomposing 12 cookies.

What are the 3 components of all SoEs?

All SoEs must have values, labels and represent the equality relationships occurring in the story.

What are the values and labels?

The values and labels are 12 cookies (counter), 3 bags/bag, and cookies per bag.

*This story comes from the NC 2nd Grade Unpacking Document.
<https://files.nc.gov/dpi/documents/curriculum/mathema7cs/scos/current/3rd-unpacking.pdf>*