Write Division Expressions

Let's write division expressions and solve "how many groups?" and "how many in each group?" problems.

Warm-up

Number Talk: What's the Same?

Find the value of each expression mentally.

- $225 - 100$
- $227 - 102$
- $230 - 105$
- $220 - 95$

Activity 1

Card Sort: All about Insects



Your teacher will give you a set of cards that show situations.

1. Sort the cards into 2 categories in a way that makes sense to you. Be ready to explain the meaning of your categories.
2. Write a division expression to represent each situation. Be ready to explain your reasoning.

Activity 2

Solve an Insect Problem

Your teacher will assign a problem to your group.

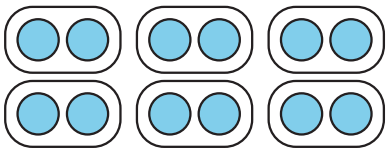
Create a visual display that shows your thinking and your solution to the problem.

Section A Summary

We learned that **division** is finding the number of groups or finding the size of each group when we put objects into groups of equal size. We represented division situations with drawings and expressions, and solved division problems.

"How many groups?"

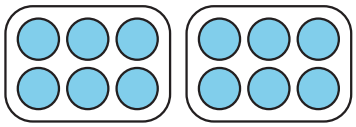
Han has 12 pencils to put in boxes. He wants to put 2 pencils in each box. How many boxes does Han need?



$12 \div 2$

"How many in each group?"

Elena has 12 pencils to put in 2 boxes. She wants to put the same number of pencils in each box. How many pencils should Elena put in each box?



$12 \div 2$

Both expressions have the same divisor, 2. However, the 2 has a different meaning in each situation.