Unit 6, Lesson 15

Write Equations for Story Problems

Let’s solve story problems and write equations.

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Illustrative Mathematics®

Warm-up

Estimation Exploration: Paper Cranes

How many cranes are there in the image?

Record an estimate that is:

too low	about right	too high

Activity 1

Story Problems about Origami

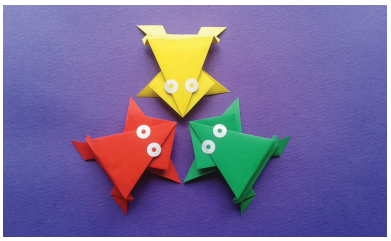
Show your thinking using drawings, numbers, or words.

1. Clare made some cranes.
   She gives 12 of them to Han.
   Now Clare has 7 cranes left.
   How many cranes did she make?

2. Tyler made 15 butterflies.
   Jada made 9 fewer butterflies than Tyler.
   How many butterflies did Jada make?

3. Elena made some red flowers.
   Then she made 12 blue flowers.
   Now she has 18 flowers.
   How many red flowers did she make?

4. Mai made 8 frogs.
   Diego made 17 frogs.
   How many more frogs did Diego make than Mai?



Activity 2

Gallery Walk: Write Equations

Write an equation that matches your classmates' work for each story problem.

1. Equation: _____

2. Equation: _____

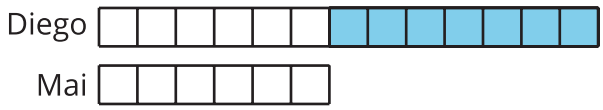
3. Equation: _____

4. Equation: _____

Section C Summary

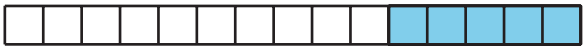
We solved different types of problems.
We represented our thinking using drawings and equations.

Diego's bracelet is 7 cubes longer than Mai's bracelet.
Mai's bracelet is 6 cubes long.
How long is Diego's bracelet?



$$6 + 7 = \boxed{13}$$

Kiran made some paper cranes.
He gave 5 to his brother.
Now, he has 10 cranes left.
How many cranes did Kiran make?



$$5 + 10 = \boxed{15}$$

$$\boxed{15} - 5 = 10$$