Unit 2, Lesson 9

What Is the Unknown?

Let’s solve story problems and compare strategies.

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Warm-up

Number Talk: Addition and Subtraction Expressions

Find the value of each expression mentally.

- $4 + 6$
- $6 + 4$
- $10 - 6$
- $10 - 4$

Activity 1

Represent and Solve Story Problems

1. Han has 5 pet lizards.
   He has 3 pet snakes.
   How many pets does he have?

   Show your thinking using drawings, numbers, or words.

2. Han has 8 pets.
   5 of his pets are lizards.
   The rest of his pets are snakes.
   How many snakes does Han have?

   Show your thinking using drawings, numbers, or words.

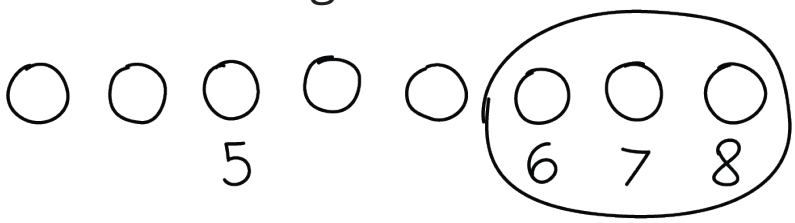
3. Han wants to have 8 pets.
   He wants some lizards and some snakes.
   How many of each pet could Han get?

   Show your thinking using drawings, numbers, or words.

Activity 2

Can You Do It That Way?

1. Diego made this drawing.

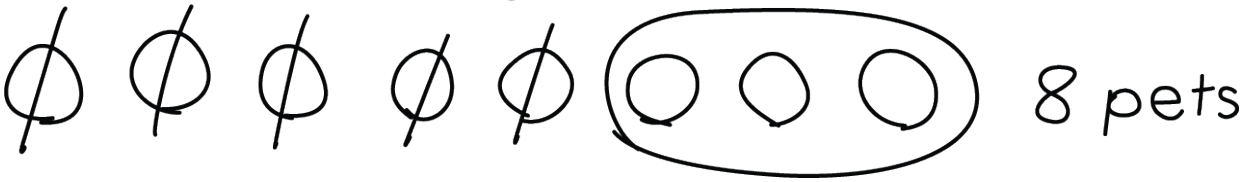


How does Diego's drawing match the story?

_____

_____

2. Jada made this drawing.



What do you notice? What do you wonder?

Diego says this drawing can't work because it shows taking away.

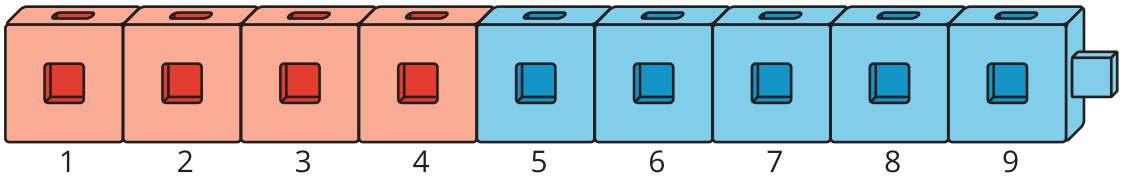
Work with your partner to explain how the drawing does show a way to solve the problem.

Section B Summary

We learned how to solve story problems.

- We solved story problems where the total was unknown.

  Kiran has some fish in his fish tank.
  He has 4 red fish and 5 blue fish.
  How many fish does he have in all?



$$4 + 5 = \boxed{9}$$

- We solved story problems where both parts were unknown.

  Tyler plays *Shake and Spill*.
  He plays with 10 counters.

  Show some different combinations of red and yellow counters that Tyler could spill.

$$\boxed{4} + \boxed{6} = 10$$

$$\boxed{6} + \boxed{4} = 10$$

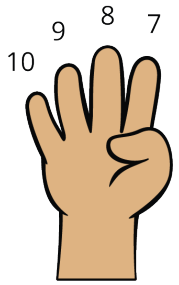
$$\boxed{5} + \boxed{5} = 10$$

$$\boxed{7} + \boxed{3} = 10$$

- We solved problems where one part was unknown.

  6 counters are outside the cup.
  Some of the counters are under the cup.
  There are 10 counters total.
  How many counters are under the cup?

  We can count on from 6 to 10.



$$6 + \boxed{4} = 10$$

- We learned that numbers can be added in any order.

  $4 + 6$ is the same as $6 + 4$.