

Unit **1**

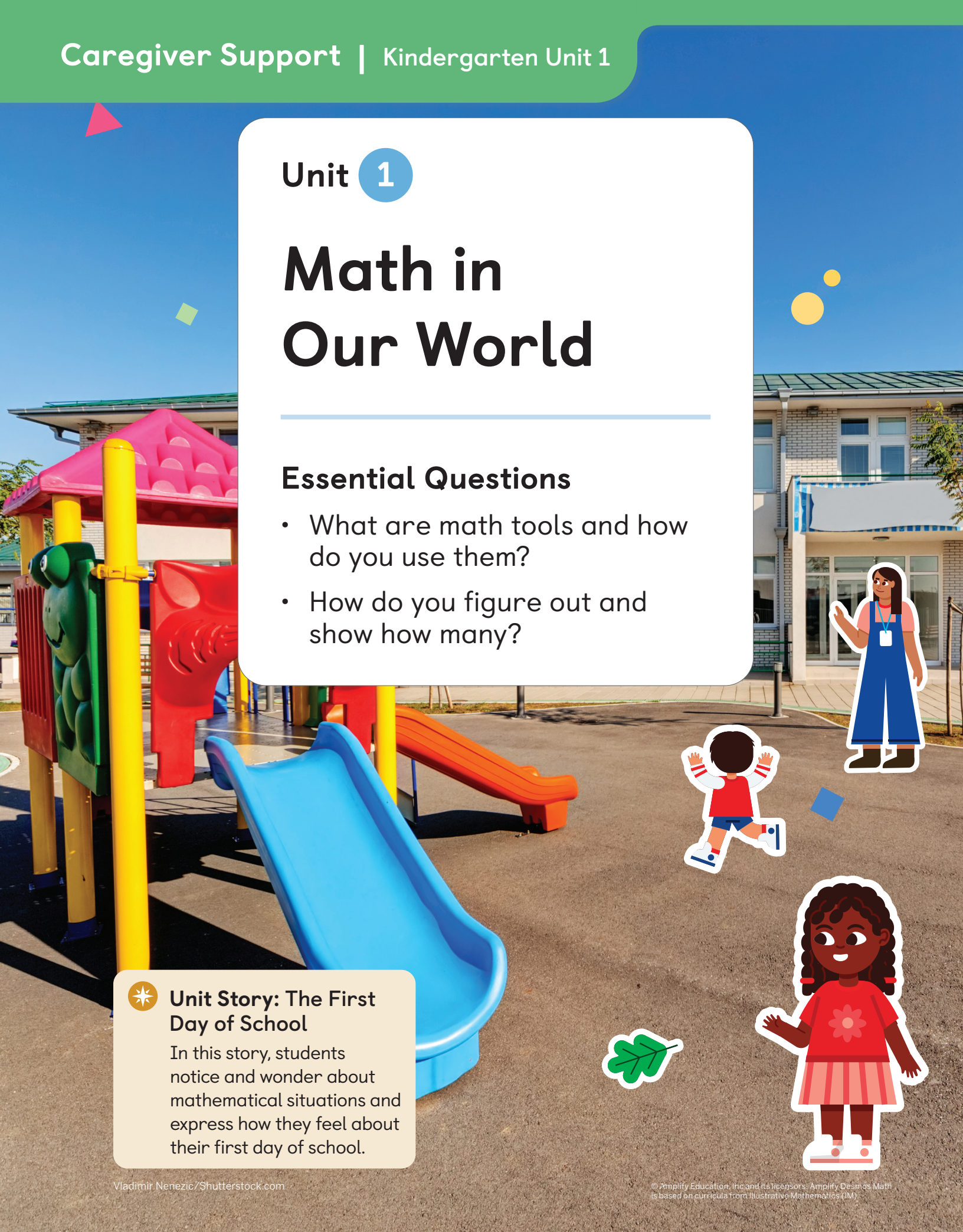
# Math in Our World

## Essential Questions

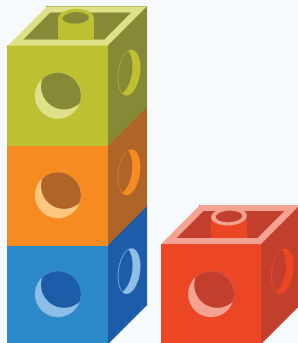
- What are math tools and how do you use them?
- How do you figure out and show how many?

 **Unit Story: The First Day of School**

In this story, students notice and wonder about mathematical situations and express how they feel about their first day of school.



Connecting cubes are tools used to do math.



connecting cubes

## Try This

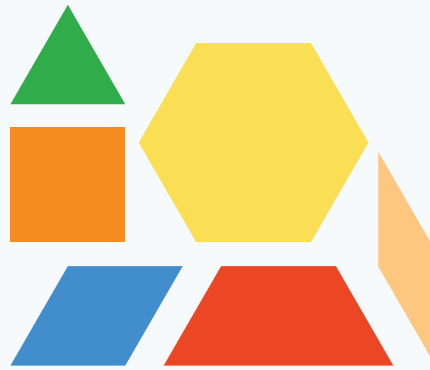
1

 Draw

### Directions:

1. Draw a picture to show what you did in math class today.

Pattern blocks are tools used to do math.



pattern blocks

## Try This

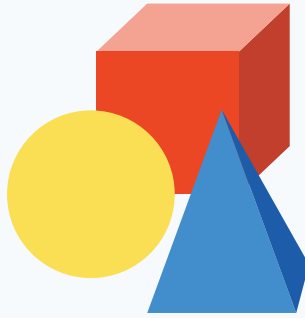
1

 Draw

### Directions:

1. Draw a picture of how you would like partner work to look, sound, or feel.

Solid shapes are tools used to do math.



solid shapes

## Try This

1

 Draw

### Directions:

1. Draw a picture to show what math tools you used today and how you used them.

Counters and 5-frames are tools used to do math.



5-frames



counters

## Try This

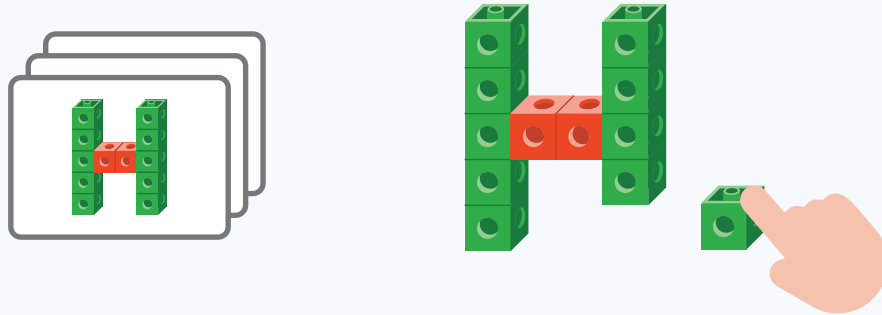
1

 Draw

### Directions:

1. Draw some math tools you explored. Tell how you could use these tools.

Math tools can be used in different ways. You can build objects with connecting cubes. You can fill in puzzles with pattern blocks.



## Try This

1

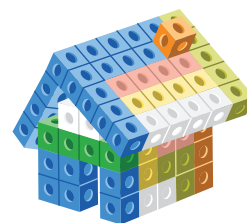
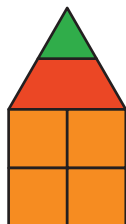
 Draw

### Directions:

1. Draw a picture to show what you have learned about math tools.

## In this sub-unit . . .

- We noticed and wondered about math in our world.



- 🔥 **Math tip:** You can notice and wonder about objects at school and at home.

- 
- We described math tools.



I see a red shape, a blue shape, a green shape, and a yellow shape.

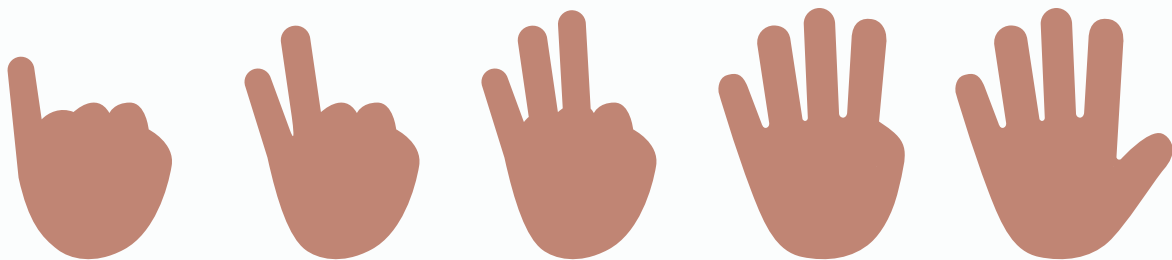
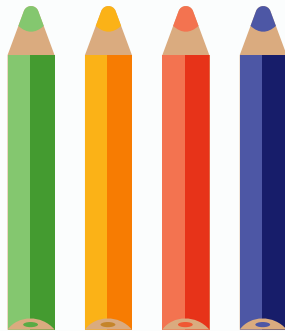
- 
- We used math tools.
    - I made a pile of the blue shapes and a pile of the yellow shapes.
    - I put them in a line — blue, yellow, blue, yellow, blue, yellow.
    - I put them together to make a flower.

You can find groups all around you and figure out how many are in the group.



## Try This

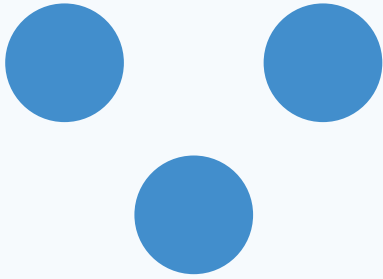
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### Directions:

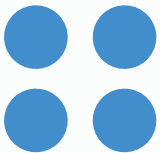
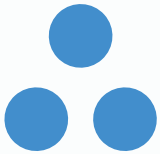
1. Circle the hand that shows how many objects are in the group.

Groups can look different but show the same amount.



## Try This

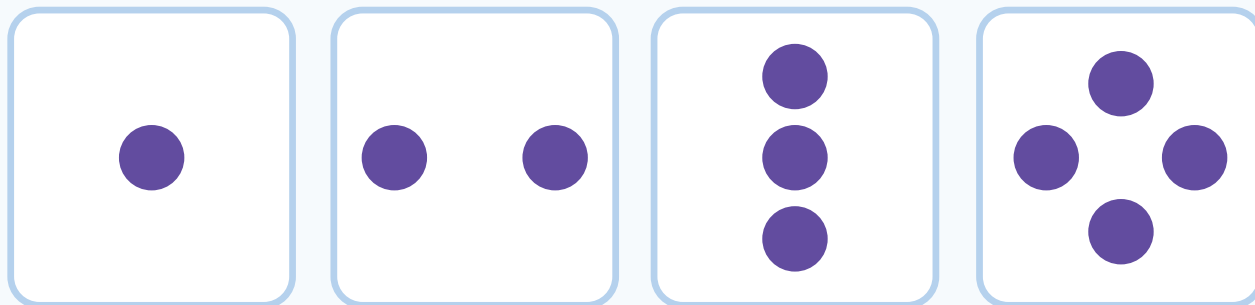
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### Directions:

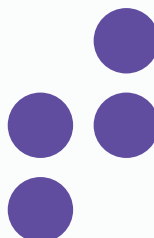
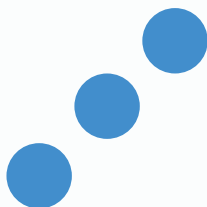
1. Draw lines to match each group of dots with the group of math tools that shows the same number.

Sometimes, you may know how many are in a small group right away.



## Try This

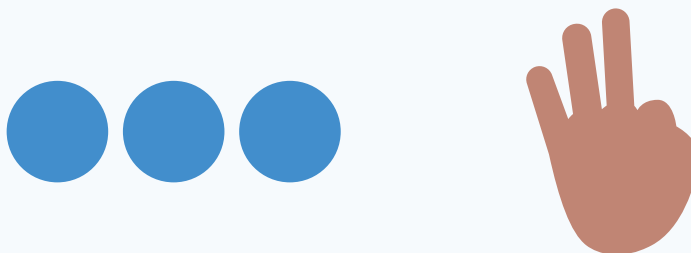
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### Directions:

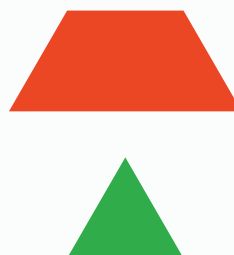
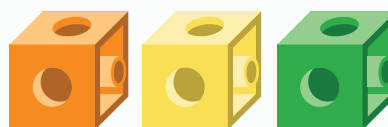
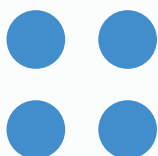
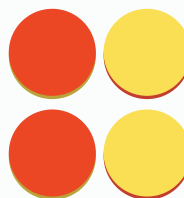
1. Draw lines to match each group of dots with the group that shows the same number.

Tools, such as your fingers or objects, can be used to show how many.



## Try This

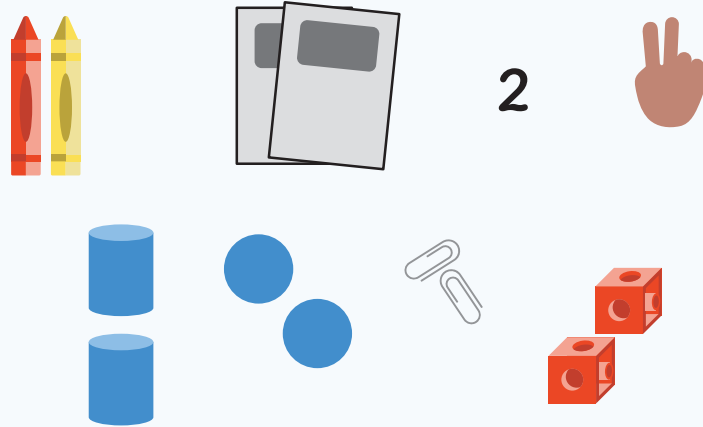
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### Directions:

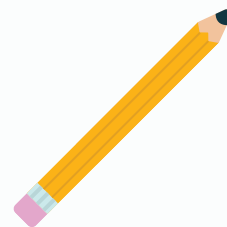
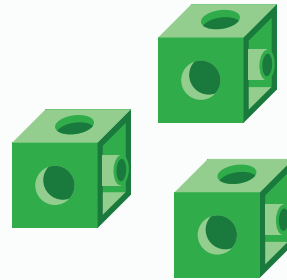
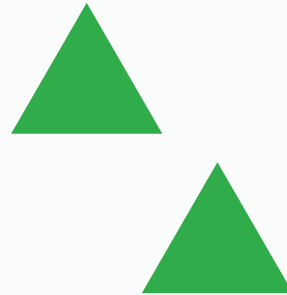
1. Draw lines to match each group of dots with the math tool that shows the same number.

The same number of objects can be shown in many ways.



## Try This

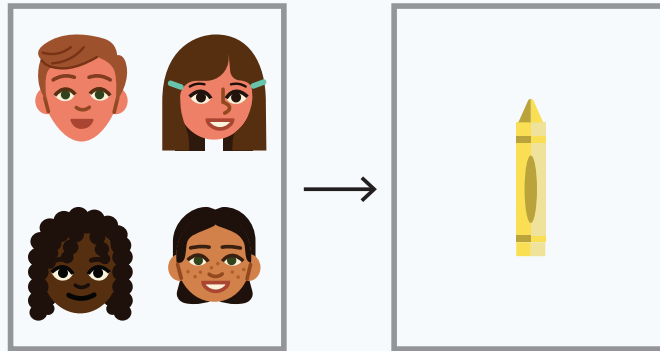
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### Directions:

1. Draw lines to match each picture with the picture that shows the same number.

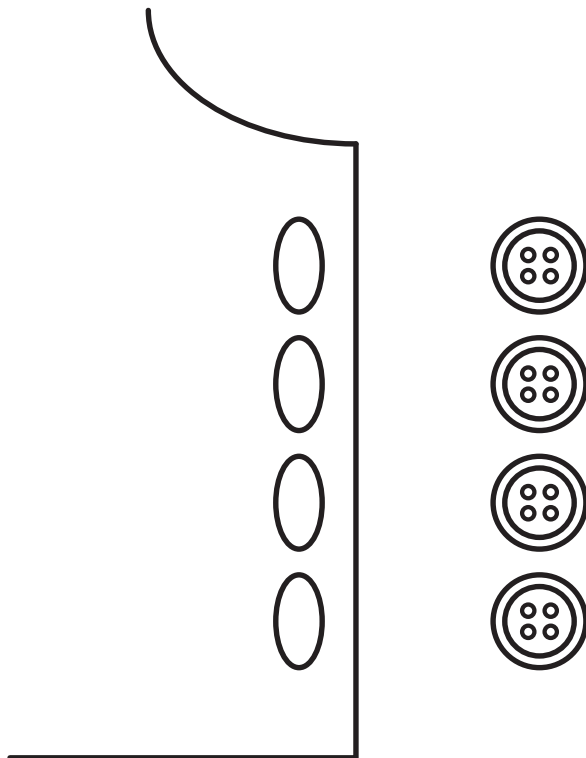
We can figure out if there are enough by matching or thinking about how many there are.



## Try This

 Show your thinking.

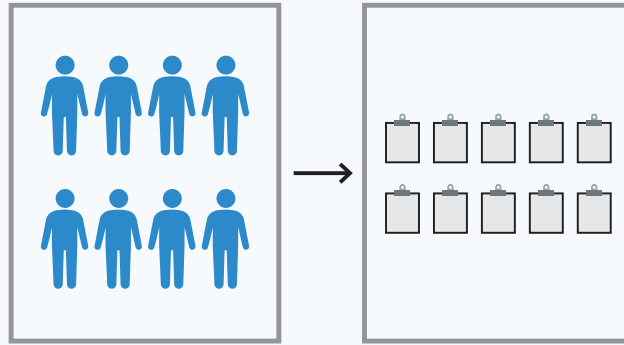
1



### Directions:

1. Figure out if there are enough buttons for each hole on Skye's shirt.

Sometimes, looking at 2 groups can tell you that there are enough objects. Other times, you need to use a strategy, such as matching or counting, to figure out if there are enough objects.



## Try This

1

 Draw

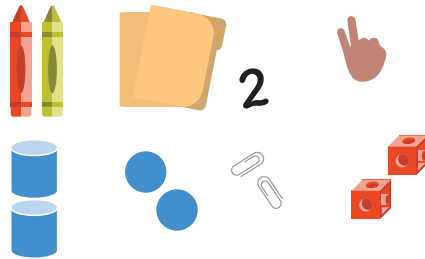


### Directions:

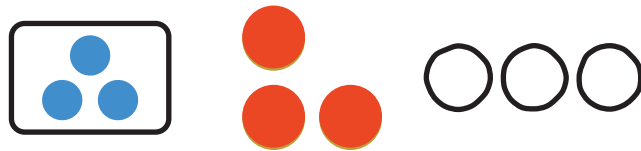
1. Draw to show enough insects so that each frog has 1 insect.

In this sub-unit . . .

- We saw different groups with the same number.



- We made groups with the same number using objects and drawings.

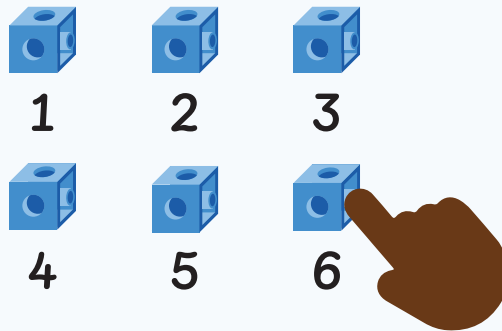


- We asked and answered “are there enough?” questions.



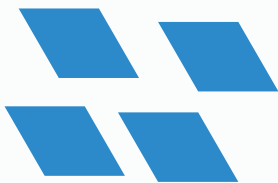
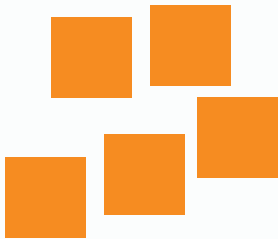
🔥 **Math tip:** You can match each object or figure out how many are in each group to see if there are enough.

Counting can be used to figure out how many objects there are. When counting, say 1 number for each object.



## Try This

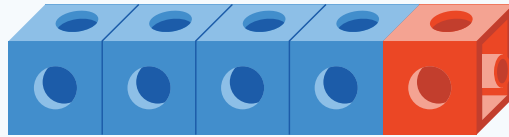
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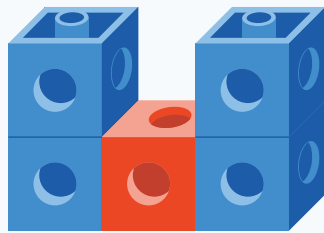
### Directions:

1. Draw lines to match each set of pattern blocks with the 5-frame that shows the same number.

The last number you say when you count all the objects in a group tells how many there are. That number stays the same even when the objects are moved.



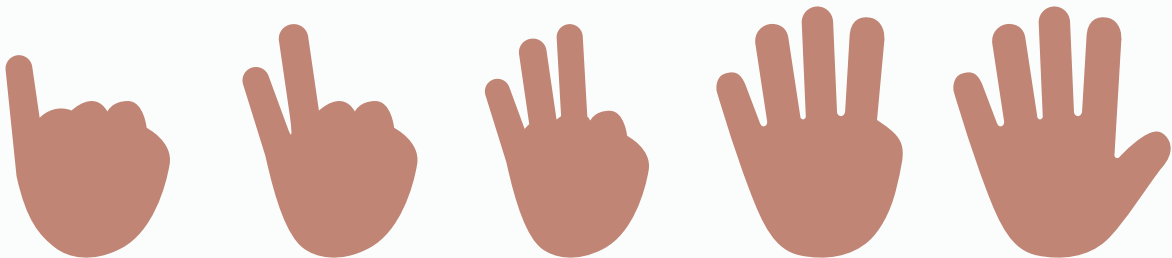
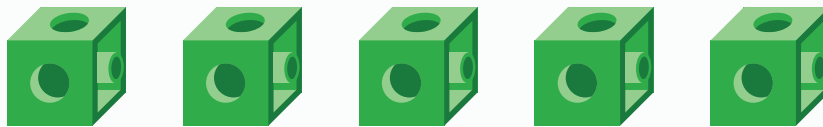
There are  
5 cubes.



There are  
still 5 cubes.

## Try This

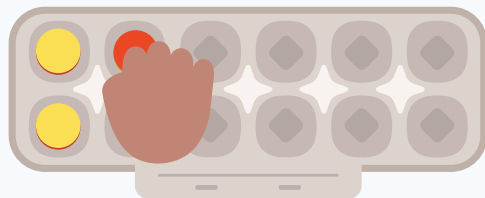
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### Directions:

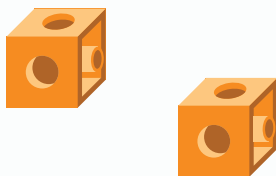
1. Figure out how many cubes there are. Circle the hand that shows how many. Use a math tool if it is helpful.

Moving each object as you count can help you keep track of how many.

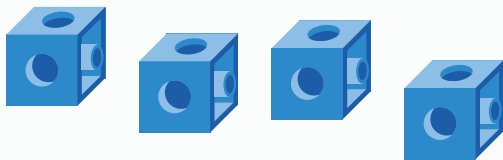


## Try This

1



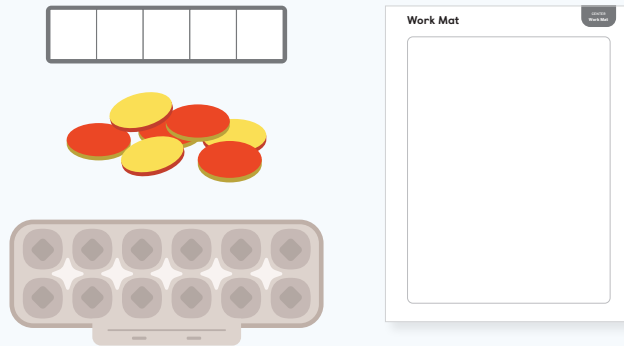
2



### Directions:

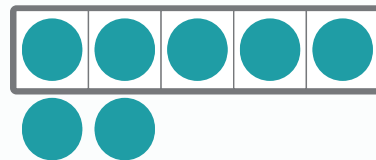
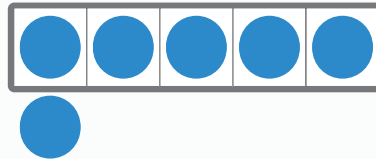
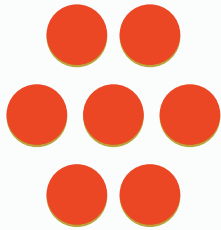
1–2. Draw dots on the 5-frame to show how many cubes.

You can use math tools to keep track while you count.

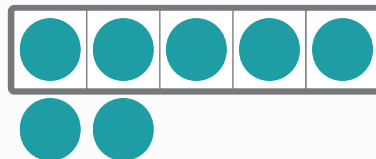
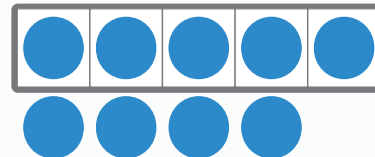
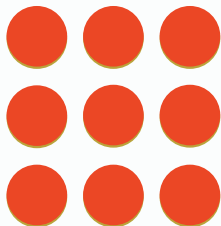


## Try This

1



2



### Directions:

1–2. Figure out how many counters. Circle the 5-frame that shows how many.

You can show how many in different ways.



## Try This

1



### Directions:

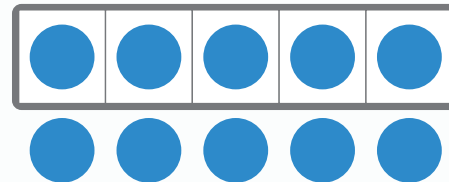
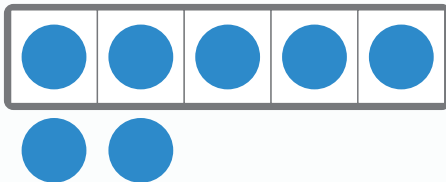
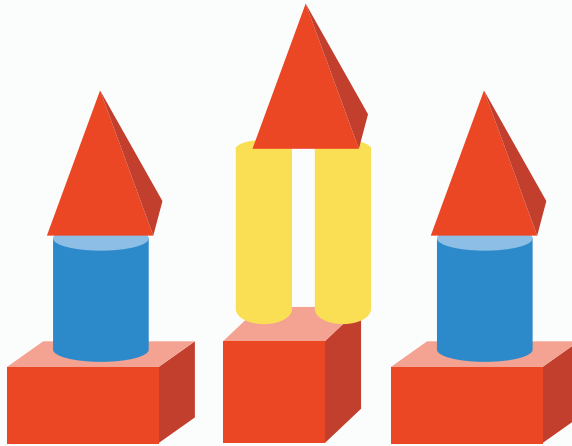
1. Figure out how many bananas. Circle the 5-frame that shows how many.

Math is everywhere. Math can be used to count and show important things in the world.



## Try This

1

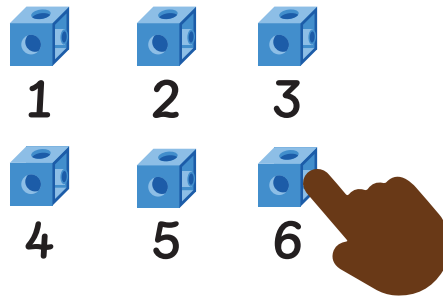


### Directions:

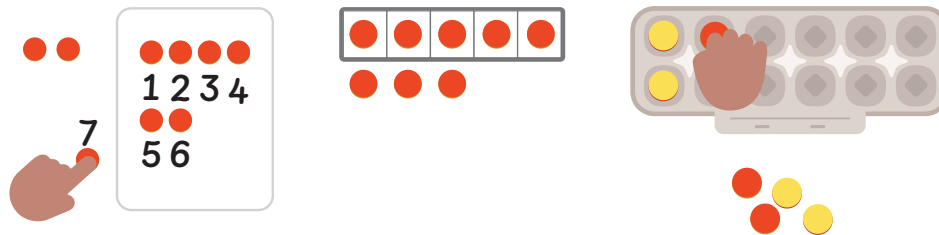
1. Figure out how many solid shapes. Circle the 5-frame that shows how many.

## In this sub-unit . . .

- We counted 1 object at a time and knew that the last number we said told us how many.

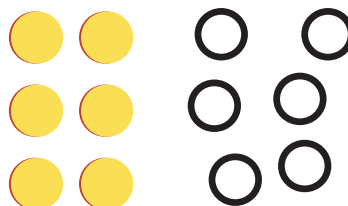


- We kept track of objects as we counted them in different ways. Sometimes, we used math tools to help.



**Math tip:** You can use an egg carton to practice keeping track as you count 1 object at a time.

- We showed how many were in a group using a drawing.



# Try This | Answer Key

## Lesson 1

1 Drawings may vary.

## Lesson 2

1 Drawings may vary.

## Lesson 3

1 Drawings may vary.

## Lesson 4

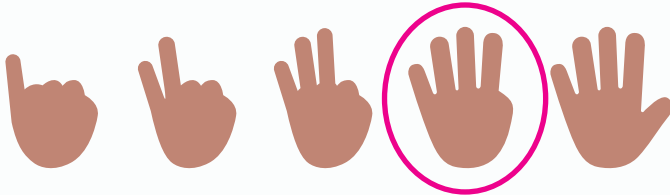
1 Drawings may vary.

## Lesson 5

1 Drawings may vary.

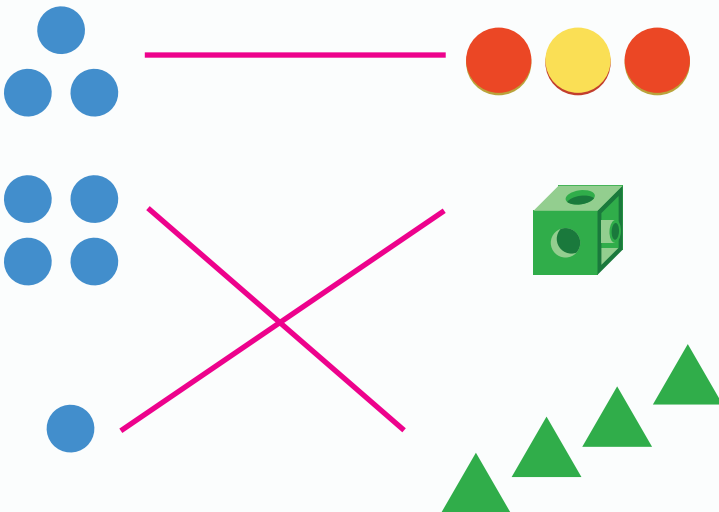
## Lesson 6

1



## Lesson 7

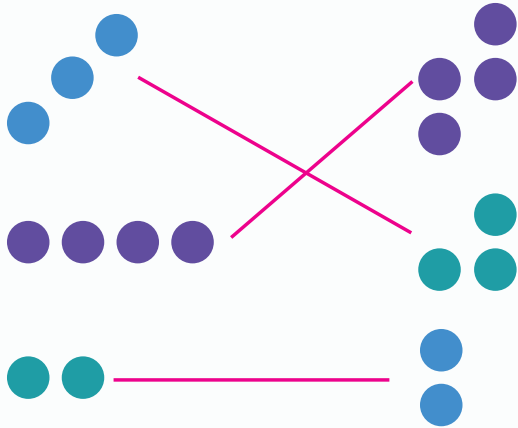
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# Try This | Answer Key

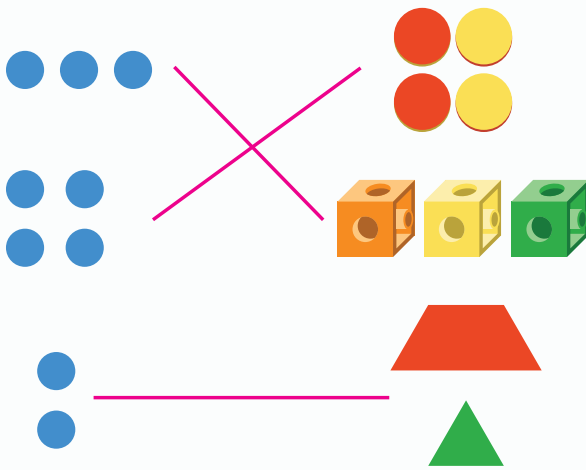
## Lesson 8

1



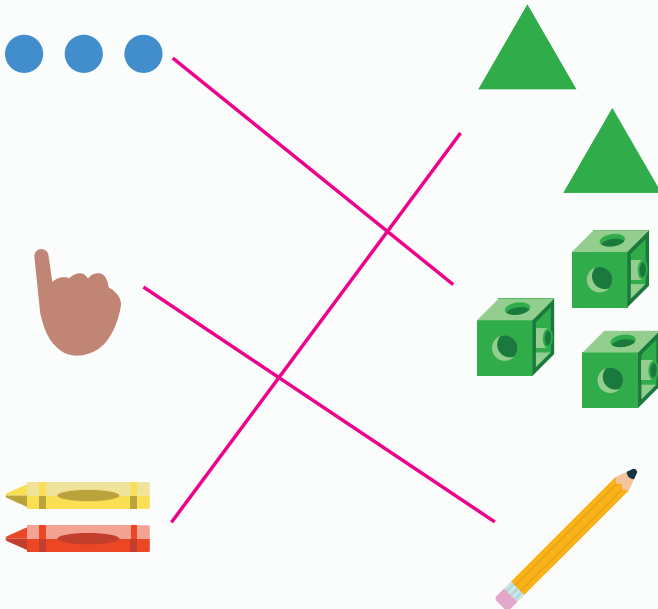
## Lesson 9

1



## Lesson 10

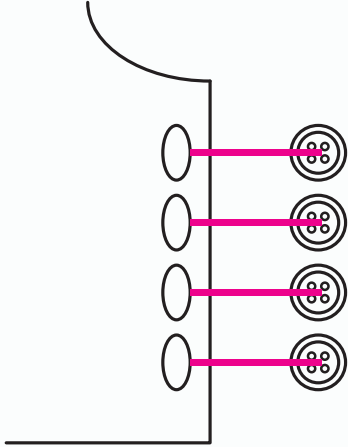
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# Try This | Answer Key

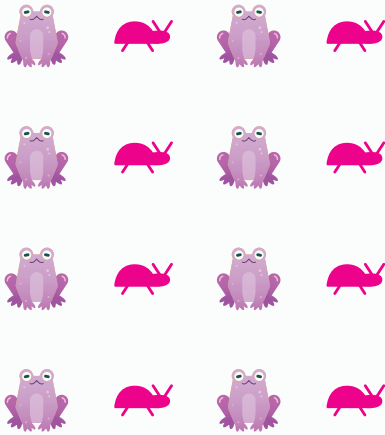
## Lesson 11

1 Sample response:



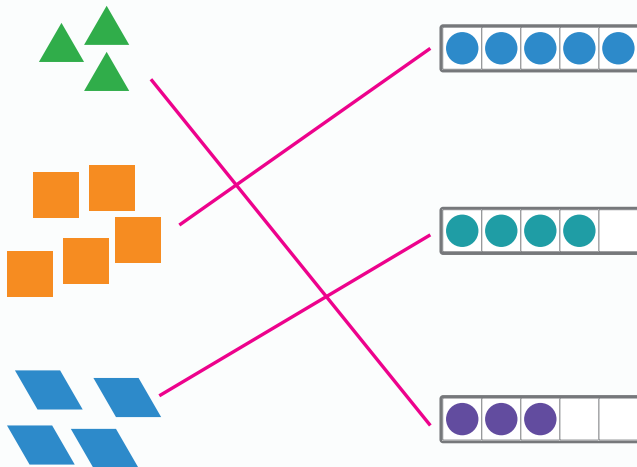
## Lesson 12

1 Sample response:



## Lesson 13

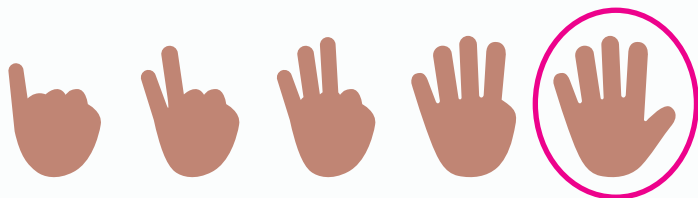
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# Try This | Answer Key

## Lesson 14

1

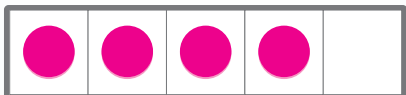


## Lesson 15

1

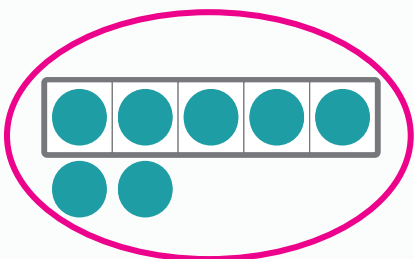


2

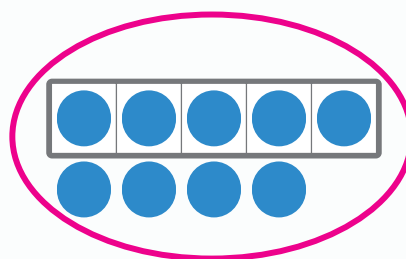


## Lesson 16

1

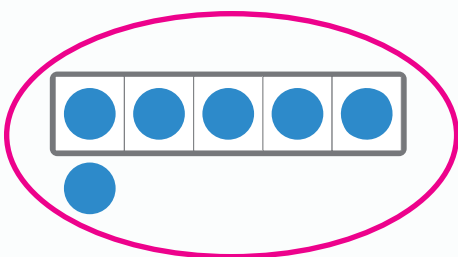


2



## Lesson 17

1



## Lesson 18

1

