

Unit 2

Numbers 1–10

Essential Questions

- How does knowing different ways to figure out how many are in a group help you compare 2 groups of objects?
- What are the different ways you can show a number?
- How can you use what you know about numbers and counting to compare written numbers?

Unit Story: What's in a Restaurant?

You can read the Unit Story with your student by visiting the Unit Story page on the Caregiver Hub.



Unit Investigation

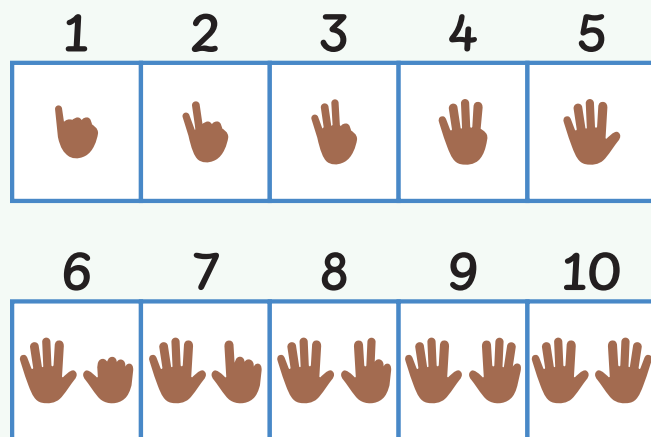
Lesson 1 is the Unit Investigation. Students notice and wonder about the math that takes place in the cafeteria to build curiosity and apply their own knowledge in a variety of ways. Use the **Caregiver Connection** to help students continue to explore the math they will see in the unit.

Caregiver Connection

Students may enjoy noticing and wondering about the math around them. Encourage students to look for and share mathematical situations at home and in their community.

Summary | Lesson 2

You can use your fingers as math tools to show a number.

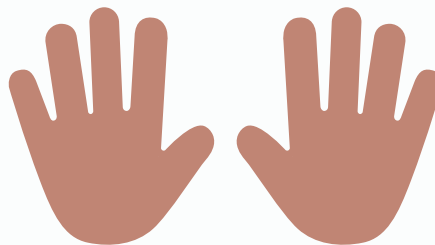


Try This

1



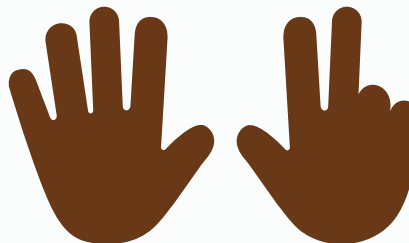
2



3



4



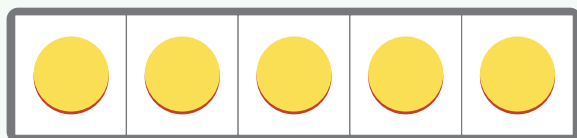
Directions:

1-4. Hold up the number of fingers you see. Tell how many many fingers you are showing.

When objects are rearranged, the number of objects does not change.



7

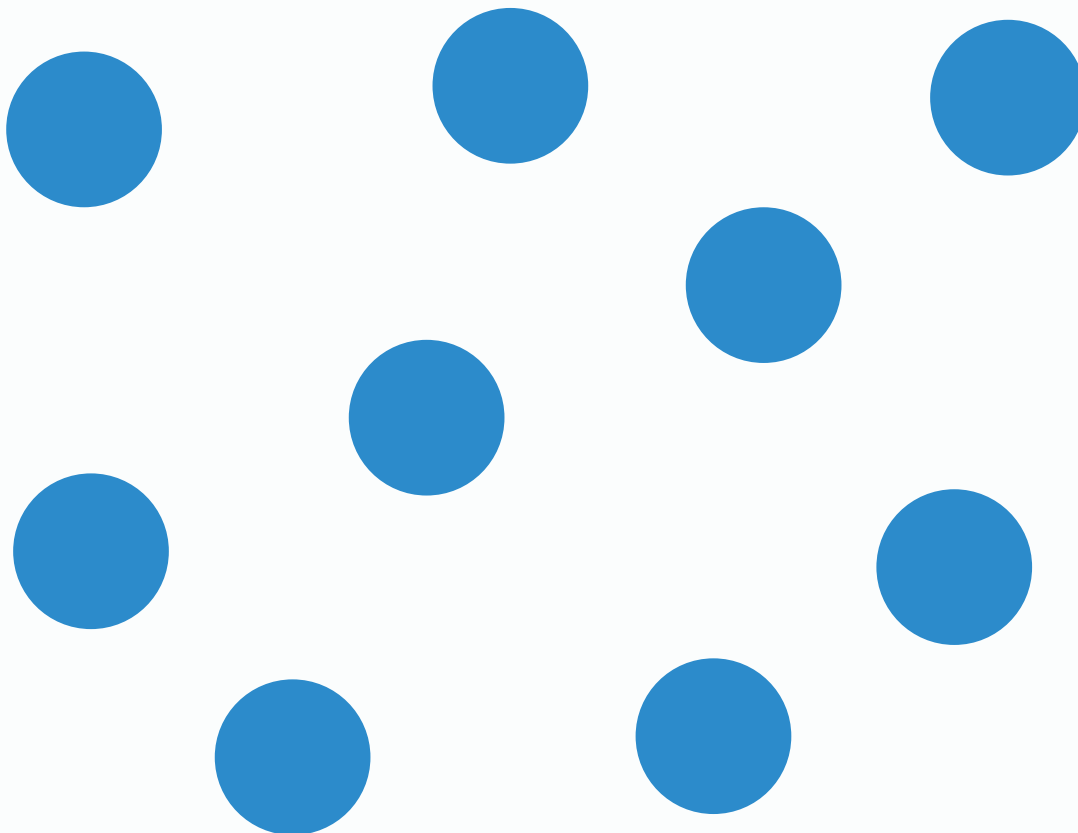


7



Try This

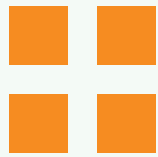
1



Directions:

1. Put 1 object on each dot. Figure out how many and then tell how many.

You can compare the number of objects in 2 groups by using the words **more**, **fewer**, or *same*.



the same number

Try This

1



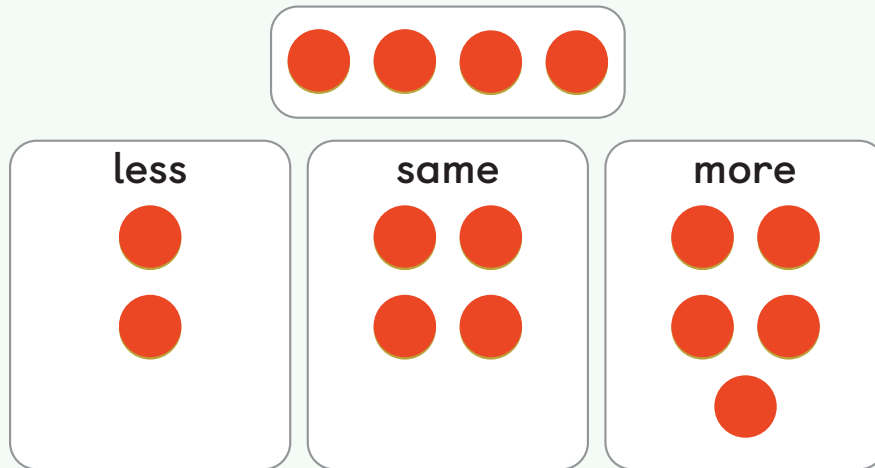
2



Directions:

1. Hold up the number of fingers you see on each hand. Circle the hand that shows *more* fingers.
2. Hold up the number of fingers you see on each hand. Circle the hand that shows *fewer* fingers.

You can make a group of objects that has *fewer* objects, the *same* number of objects, or *more* objects than another group.

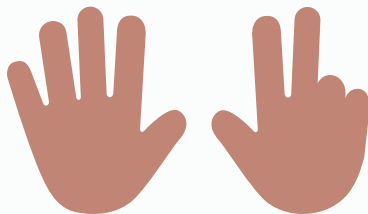


Try This

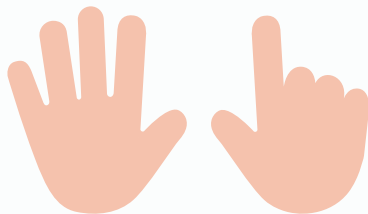
1



2



3

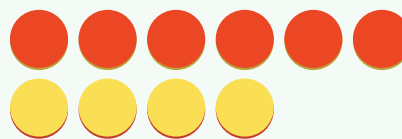


Directions:

1–3. Show *more* fingers and *fewer* fingers than the number of fingers shown. Then compare the number of fingers you are holding up using the words *more* or *fewer*.

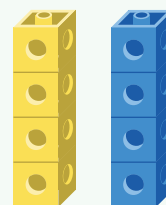
You can use the words *more*, *fewer*, and the *same* number to compare 2 groups of objects.

There are *more* red counters than yellow counters.



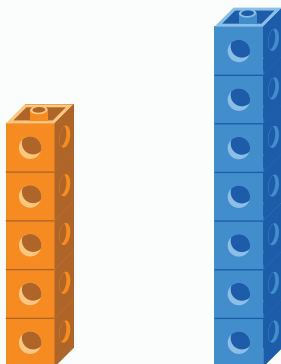
There are *fewer* yellow counters than red counters.

There are the *same* number of yellow cubes and blue cubes.

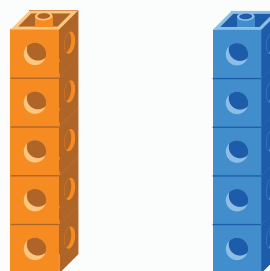


Try This

1



2

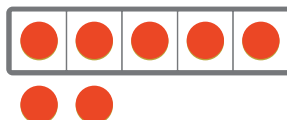


Directions:

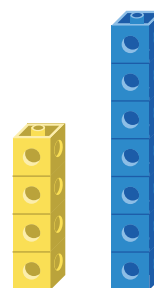
1–2. Compare the cube towers. Circle the tower that has *more* cubes. Put an X on the tower that has *fewer* cubes. Underline both towers if they have the *same* number of cubes.

In this sub-unit . . .

- We figured out how many were in a group of objects.

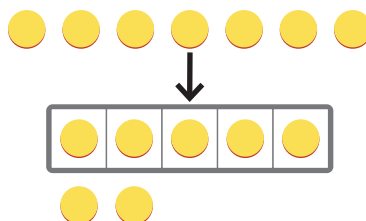


- We compared the number of objects in 2 groups.

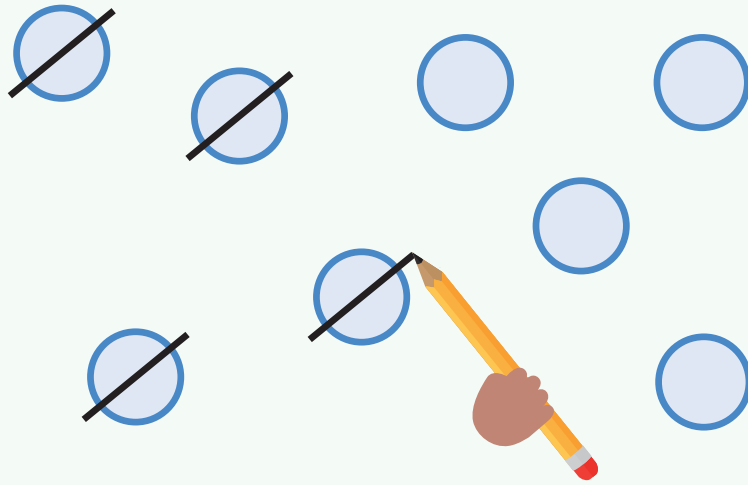


🔥 **Math tip:** You can use words, such as *more*, *fewer*, or *same*, to compare the number of objects.

- We noticed that when objects are moved, the number of objects does not change.

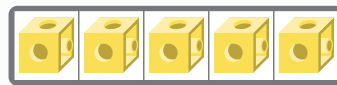
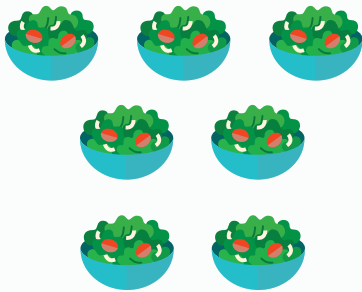


You can figure out how many objects are in a picture by keeping track of the objects you count.

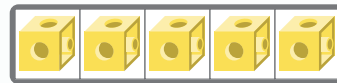
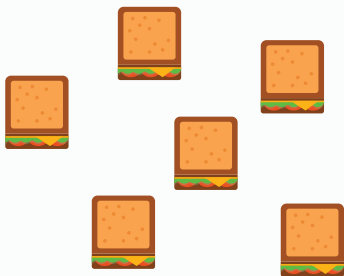


Try This

1



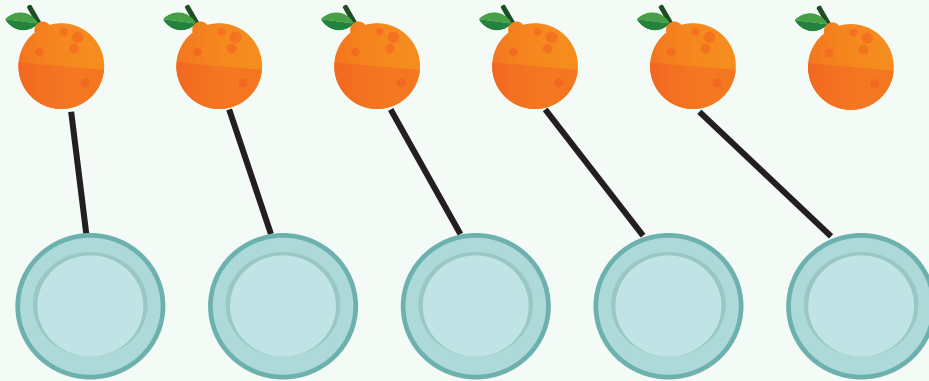
2



Directions:

1-2. Circle the 5-frame that shows how many.

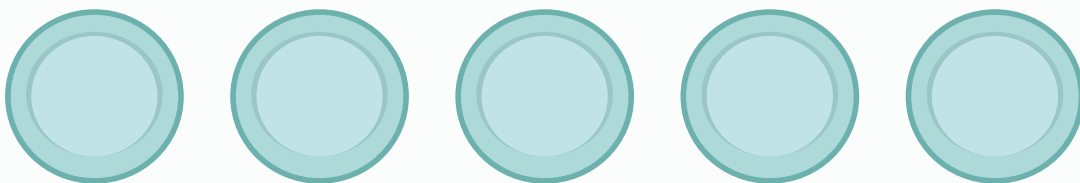
When 2 groups in a picture are not matched up, you can draw lines to match up the objects in the picture or count to compare the groups.



There are 6 oranges and 5 plates.
6 is *more* than 5.

Try This

1



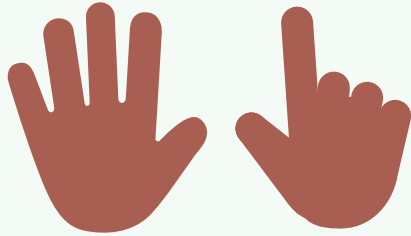
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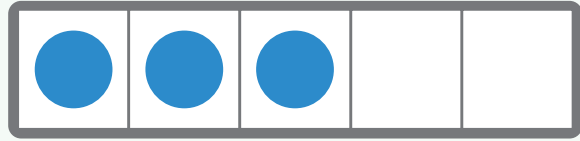
Directions:

1–2. Compare the 2 groups in the picture. Explain how you know which group has *more*, which group has *fewer*, or if the 2 groups have the *same* number of objects.

Tools can help you know if a group has *fewer* than, the *same* as, or *more* than 5 objects.



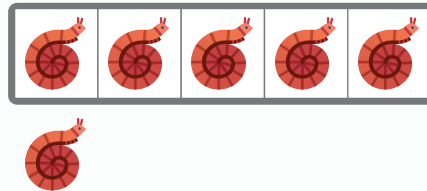
If you use 2 hands, there are *more* than 5 fingers.



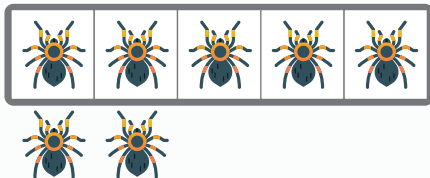
If the 5-frame is not full, there are *fewer* than 5 dots.

Try This

1



2



Directions:

1–2. Priya noticed some creatures in the garden. Circle the group that has *fewer* creatures.

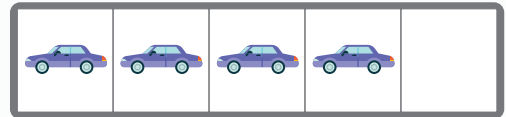
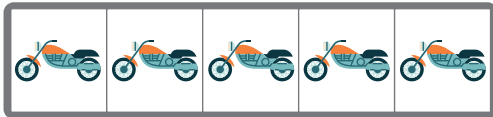
There are different ways to compare groups to figure out which group shows *more* or *fewer*.

I counted and I know that 10 is more than 9.

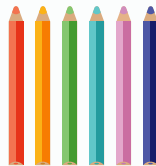
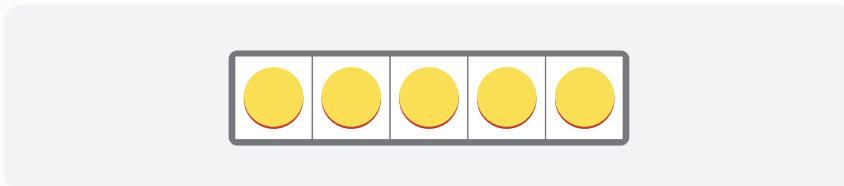
I saw the part that is the same. The first group has 1 left over and the second group has 2 left over.

Try This

1



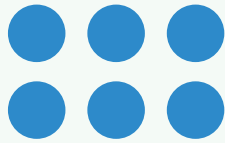
2



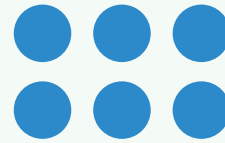
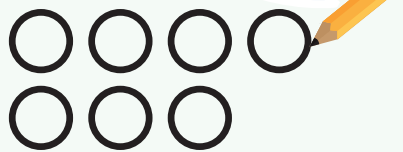
Directions:

1. Cross out the group that has *fewer* vehicles.
2. Circle the group that has *more* than 5.

To show *more* or *fewer*, you can figure out how many are in a group, draw the *same* number, and change the drawing to show *more* or *fewer*. You can also use what you know about counting.



I copied the 6 dots and then drew another dot to show more.



I saw 6 dots. I know 7 comes after 6 when I count, so I drew 7 dots.



Try This

1

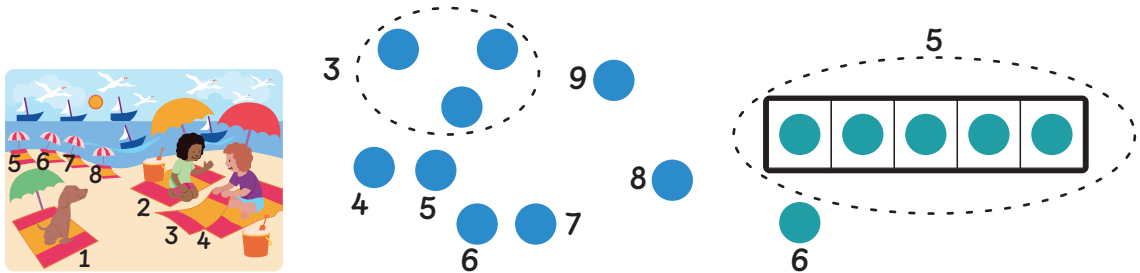


Directions:

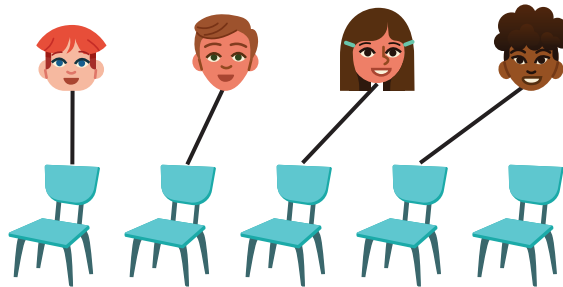
1. Priya saw butterflies and mushrooms in her garden. Cross out the group that has *more* objects.

In this sub-unit . . .

- We figured out how many objects were in pictures.

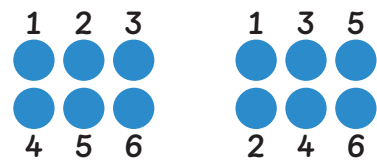


- We compared the number of objects in pictures.

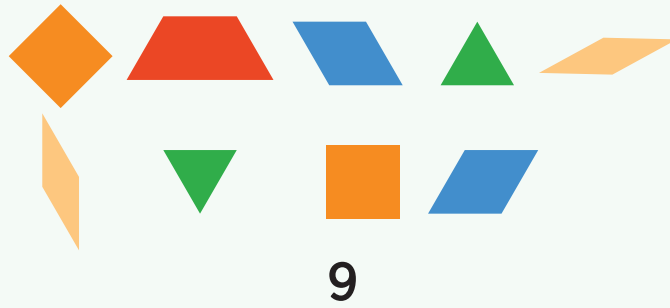


🔥 **Math tip:** You can draw lines to match up the objects in a picture or you can count to compare the groups.

- We noticed that, even if the objects in a picture are counted in a different order, the number is the same.



You can show how many with a written number.

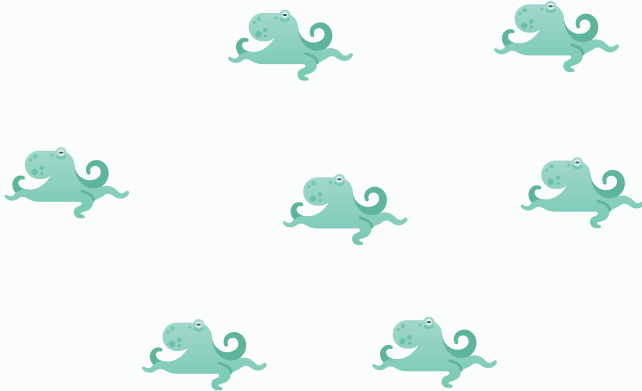
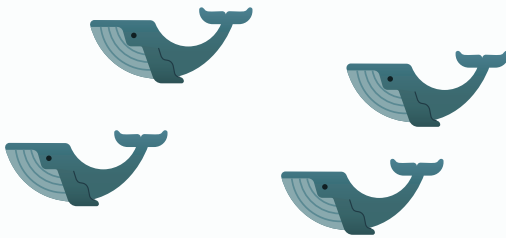


Try This

1

Animal

Number

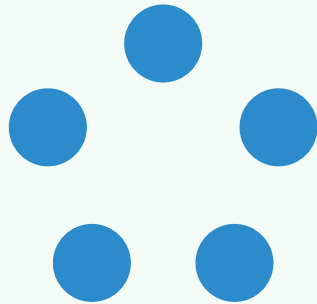


Directions:

1. Draw lines to match each group of animals with the number that tells how many. Then trace the numbers.

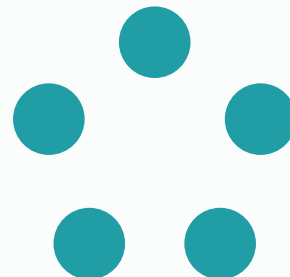
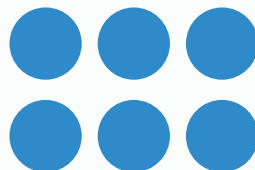
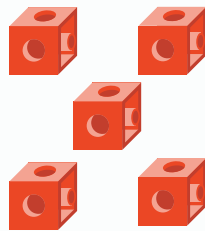
Groups can look different and still show the same number.

5



Try This

1

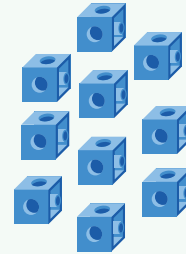
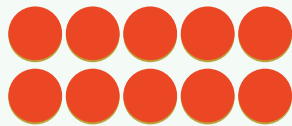


Directions:

1. Circle 3 groups that match the number.

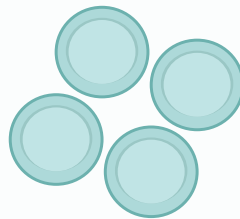
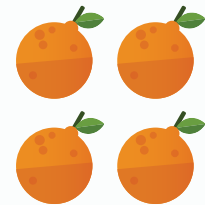
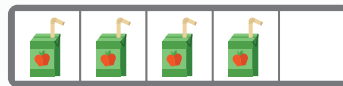
You can count out objects to show written numbers. Different objects in different arrangements can show the same written number.

10

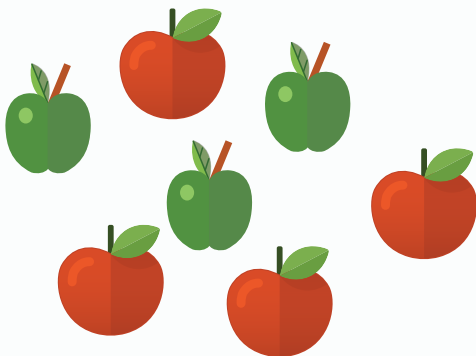


Try This

1



2

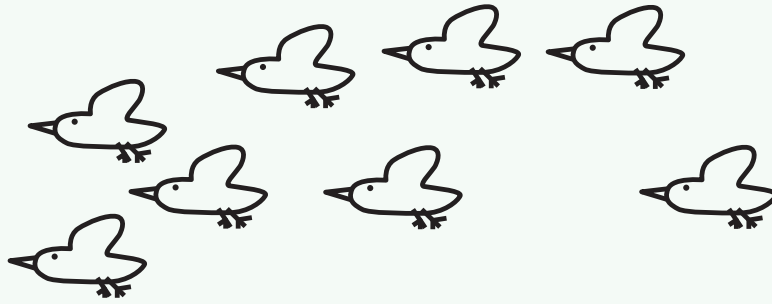


Directions:

1. Circle 3 groups that match the number.
2. Use a written number to show how many apples.

You can draw pictures to show written numbers.

8



Try This

 Draw

1



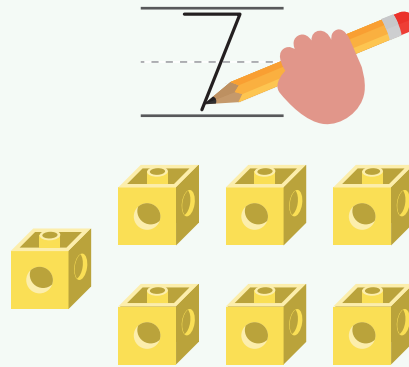
2



Directions:

1-2. Draw a group of objects that shows the number.

Writing the number is the quickest way to show how many objects you counted.



Try This



1



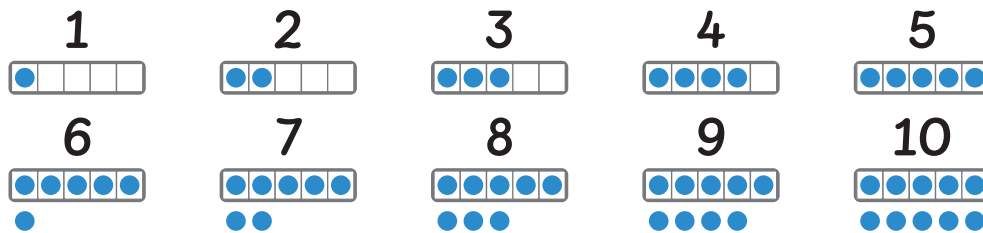
Directions:

1. Clare is counting at the park. Write a number to show how many.

Sub-Unit 3 | Summary

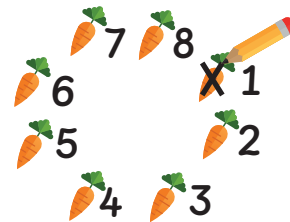
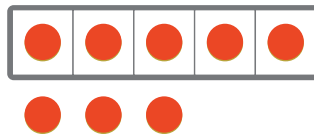
In this sub-unit . . .

- We noticed that writing numbers can help you remember how many or tell others how many.



- We showed and saw the same number in different ways.

8

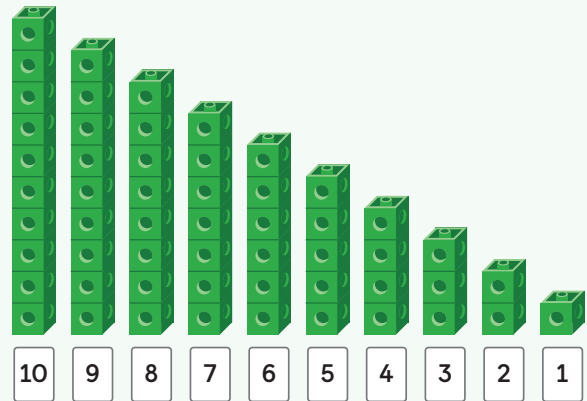
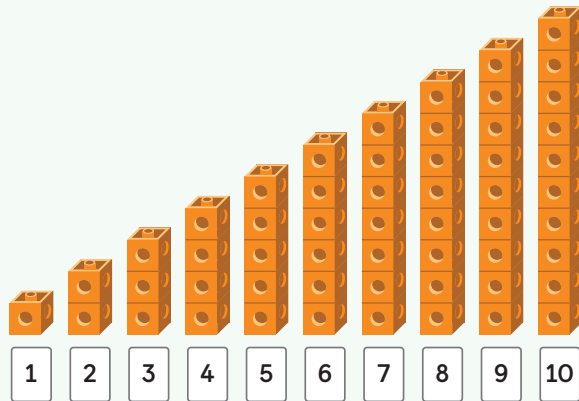


- **Math tip:** When counting images in a circle, you can mark each image as you count or mark the image you counted first.

- We made groups to show written numbers.

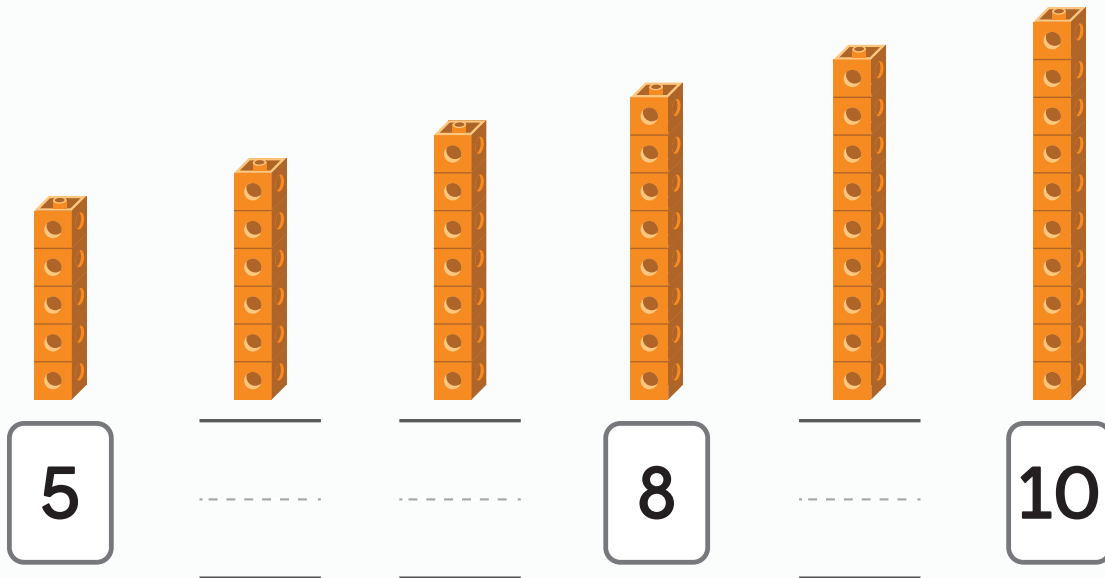


You can put groups and numbers in order.



Try This

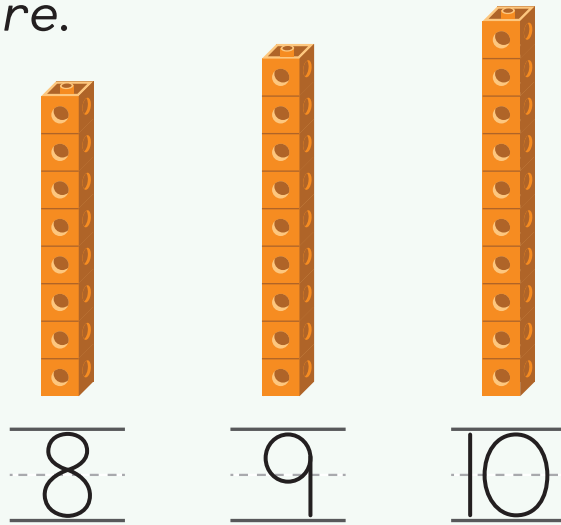
1



Directions:

1. Fill in the numbers to show how many.

When you count up, the number that comes before a number is 1 **less**, and the number that comes after a number is 1 *more*.



Try This

1



1 less	Priya's tower	1 more
_____	_____	_____
-----	-----	-----
_____	_____	_____

2



1 less	Priya's tower	1 more
_____	_____	_____
-----	-----	-----
_____	_____	_____

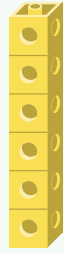
Directions:

1–2. Priya built towers using connecting cubes. Write a number to show how many cubes are in Priya's tower. Then write a number to show 1 *less* and 1 *more*.

You can show and compare numbers in different ways, including using objects, drawing a picture, or using written numbers.



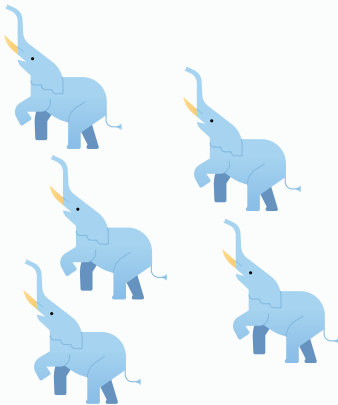
9



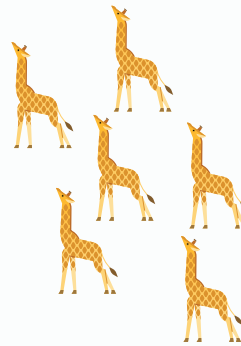
6

Try This

1

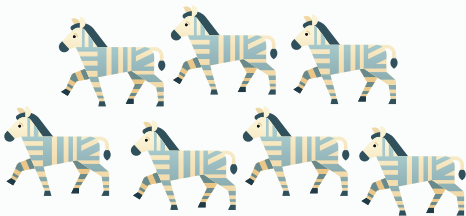


5

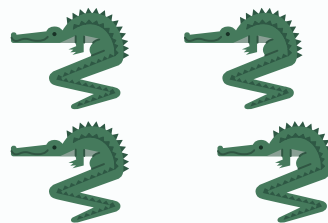


6

2



7



4

Directions:

1–2. Diego sees many different animals at the zoo. Compare the numbers. Circle the number that is *more*. Put an X on the number that is *less*.

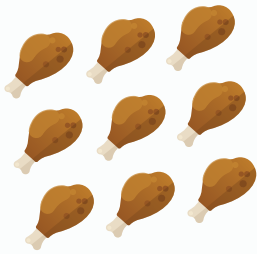
Pictures and written numbers can be compared because they both show how many.



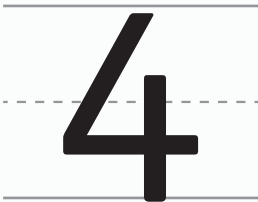
8 is more than 6.

Try This

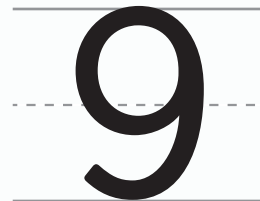
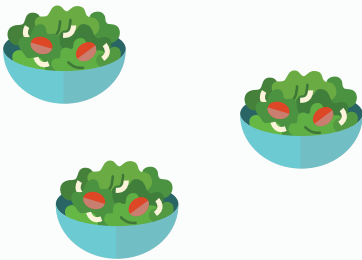
1



2



3



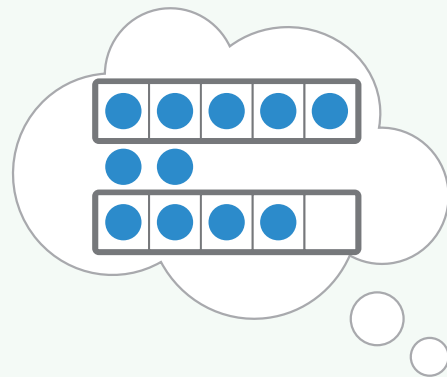
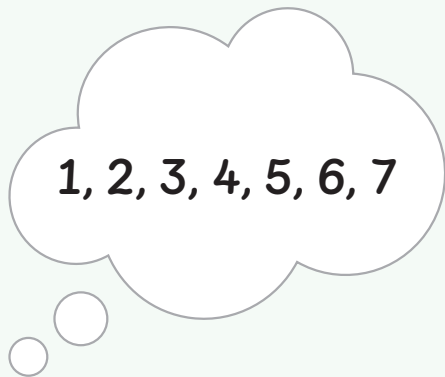
Directions:

1–3. Circle the number or group that shows *more*.

Thinking about how many a written number shows or the order of numbers can help you figure out which is *more* and which is *less*.

7



4



Try This

1



Food Ticket

5	
3	

Thank you!

2

Food Ticket

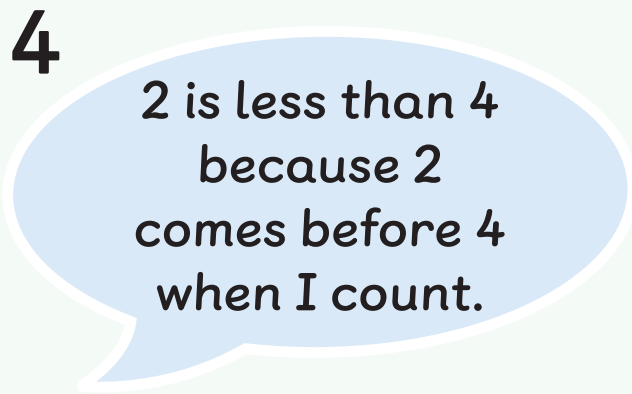
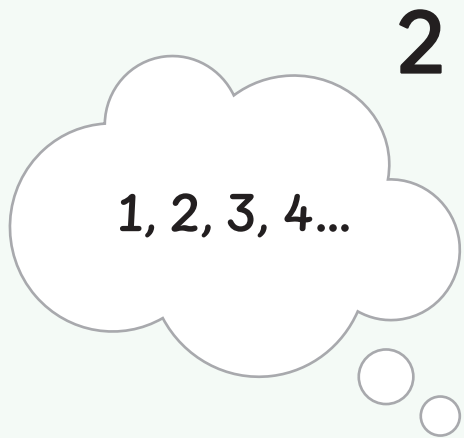
2	
4	

Thank you!

Directions:

1-2. Circle the written number that is *more*.

Knowing the order of numbers helps you make groups, figure out how many are in a group, and compare 2 groups.



Try This

1



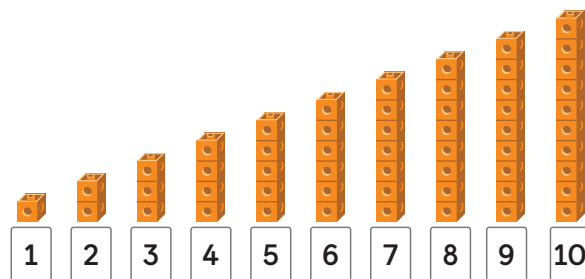


Directions:

1. Count the vegetables. Write the number that tells how many vegetables. Circle the number that is *less*.

In this sub-unit . . .

- We noticed we can put numbers or groups in order.



- We figured out what number is 1 more and what number is 1 less than a number.
 - I made a tower that looked like my partner's tower. Then I took away 1 cube from my tower and got 5.
 - I know 7 is 1 more than 6 because when you count 7 comes right after 6.
- We compared written numbers.
 - I know 8 does not fit on the 5-frame and 3 does.
 - I know that 8 comes after 3 when you count.
 - 🔥 **Math tip:** Thinking about the order of numbers can help you quickly compare written numbers.

Try This | Answer Key

Lesson 2

1 5

2 10

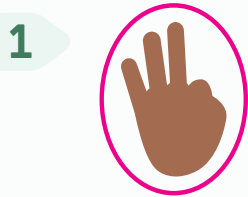
3 4

4 8

Lesson 3

1 Oral activity: No writing expected.

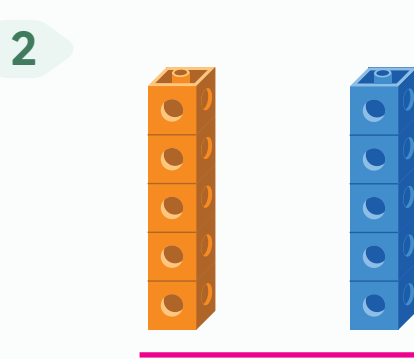
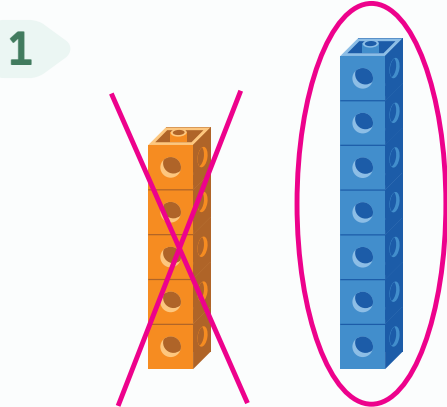
Lesson 4



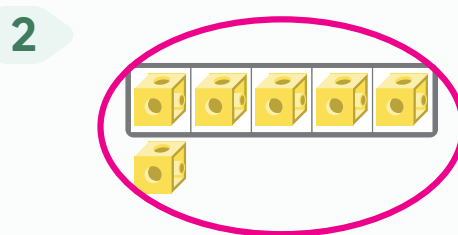
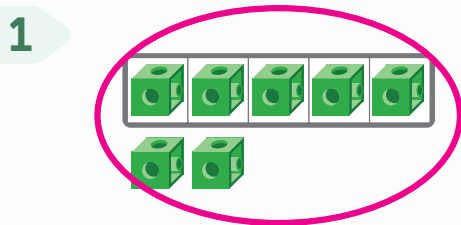
Lesson 5

1 Oral activity: No writing expected.

Lesson 6



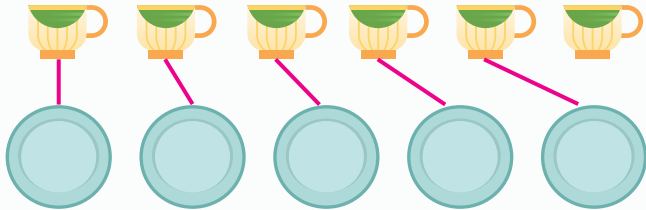
Lesson 7



Try This | Answer Key

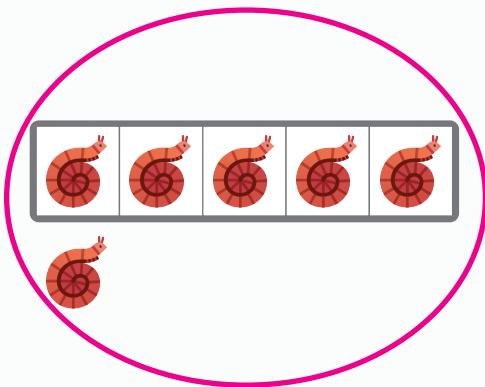
Lesson 8

1-2 Oral activity: No writing expected. Sample work shown for Problem 1.

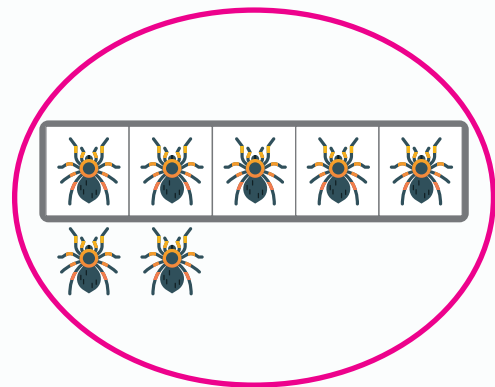


Lesson 9

1

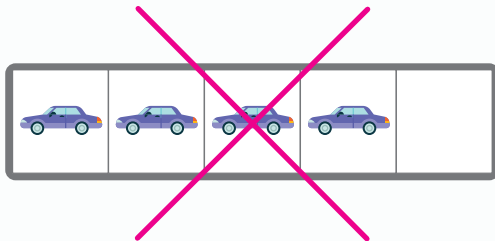


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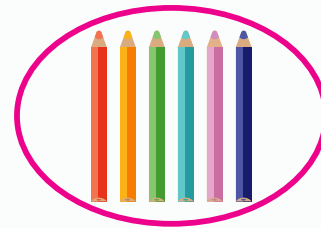


Lesson 10

1

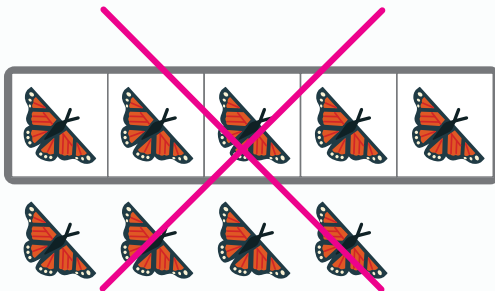


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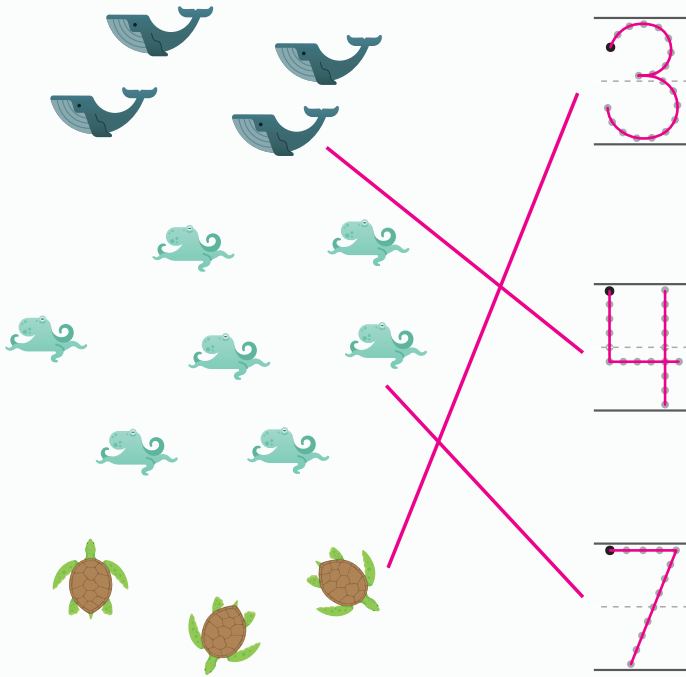
Lesson 11

1



Lesson 12

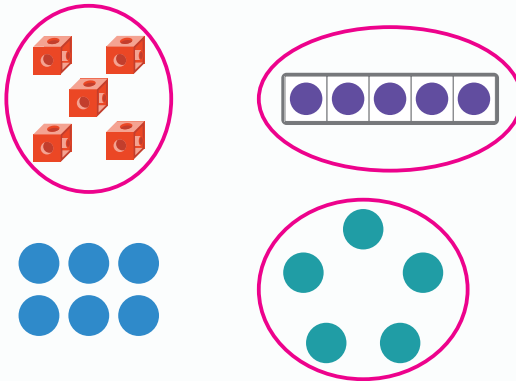
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Lesson 13

1

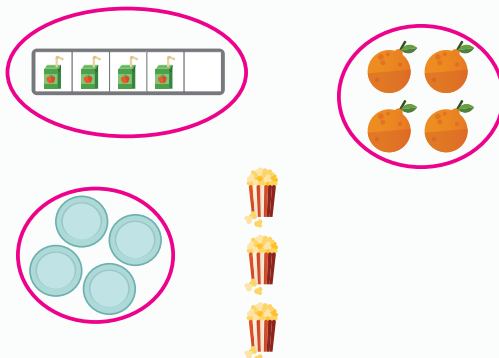
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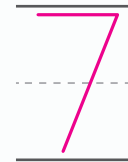
Lesson 14

1

4



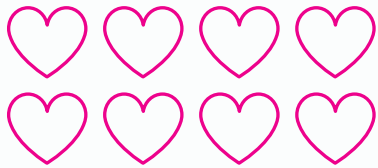
2



Try This | Answer Key

Lesson 15

1 Sample drawing:



2 Sample drawing:



Lesson 16

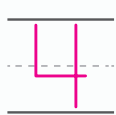


1 

Lesson 17



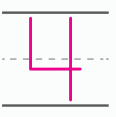
1 

Lesson 18

1

1 less	Priya's tower	1 more
		

2

1 less	Priya's tower	1 more
		

Try This | Answer Key

Lesson 19

1

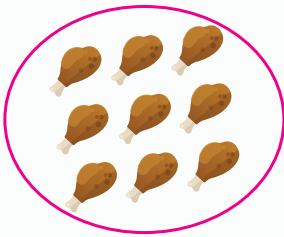


2

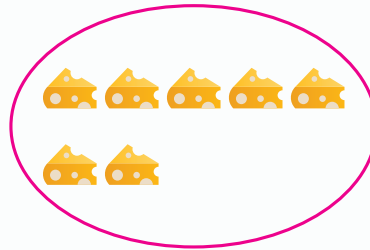


Lesson 20

1



2

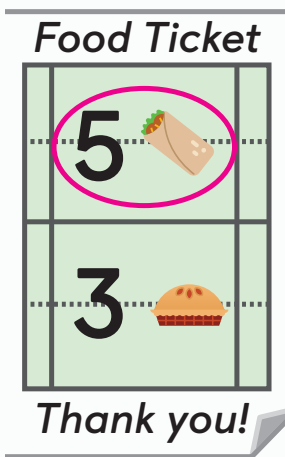


3

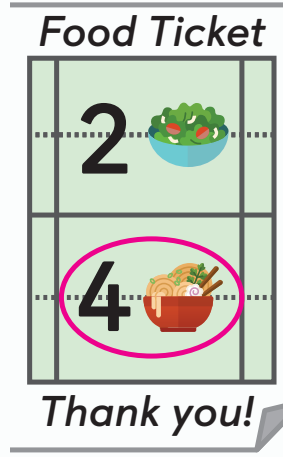


Lesson 21

1



2



Lesson 22

1

