

Eureka Math™ Homework Helper

2015–2016

Grade K Module 1 *Lessons 1–37*

Eureka Math, A Story of Units®

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GK-M1-Lesson 1

Tell why these are exactly the same or not exactly the same.



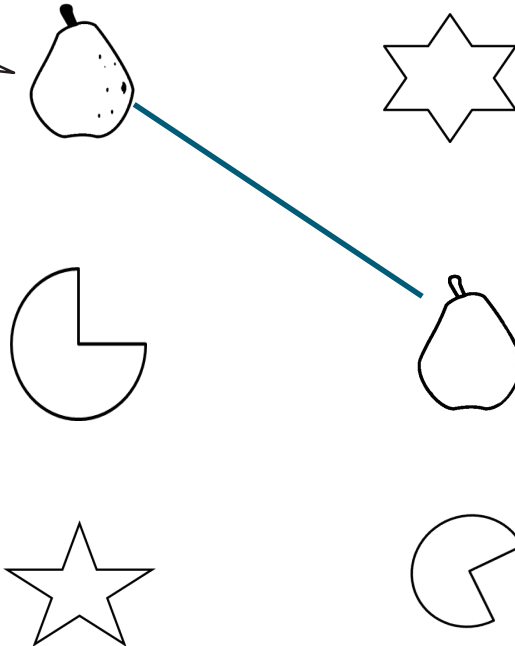
Student A: The two mice are *exactly the same*. Both of them are gray. They are both facing me, and their tails are pointing to the same side. They also have the same number of whiskers.

Student B: The two mice are *not exactly the same*. One is big, and the other is small.

GK-M1-Lesson 2

Use your words. "These are the same, but this one is _____, and this one is _____."

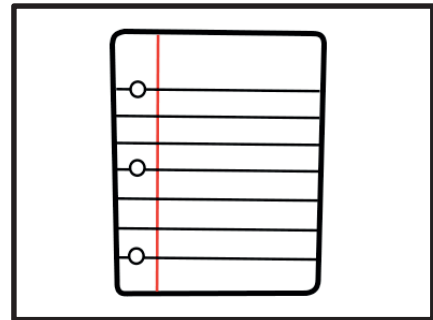
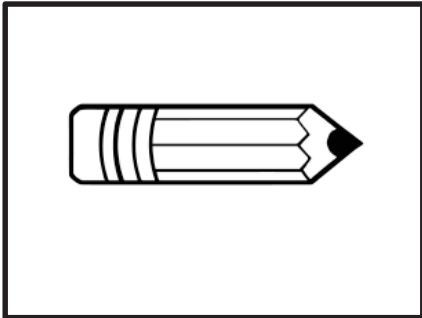
These are the same, but this one has spots on it, and this one doesn't.



GK-M1-Lesson 3

Make a picture of 2 things you use together. Tell why.

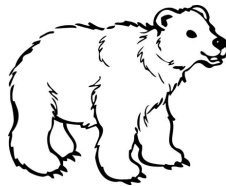
I use pencil and paper together for writing.



GK-M1-Lesson 4

Circle the things that belong to one group, and underline the things that belong to the other group. Tell an adult why the items in each group belong together.



I sorted them into two groups: stuffed animals and real animals.



GK-M1-Lesson 5







Cut and glue where each belongs. Write how many.

Library





Number: 1

School

Number: 5

Grocery Store

Number: 3

A lemon, a pineapple,
and a shopping cart
belong in the grocery
store.

There are 3 grocery
store things.

GK-M1-Lesson 6

Draw lines to put the treasures in the boxes.

I can sort by count!
 Groups of 2 belong in the 2 box.
 Groups of 3 belong in the 3 box.
 Groups of 4 belong in the 4 box.

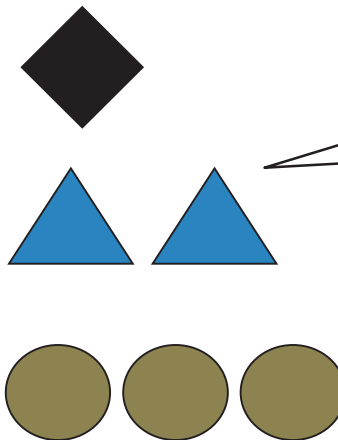
The image shows three treasure boxes labeled 2, 3, and 4. Lines connect items to boxes based on their count:

- 3 gold rings connect to the box labeled 3.
- 2 gold rings connect to the box labeled 2.
- 4 silver rings connect to the box labeled 4.
- 2 gold coins connect to the box labeled 2.
- 3 gold coins connect to the box labeled 3.
- 3 silver coins connect to the box labeled 3.

GK-M1-Lesson 7

Color each numeral card as directed. Count the objects in each group. Then, color the group of objects the same color as the numeral card that it matches.

I ask for help reading the words. Then I color in the boxes to make a color code.





I see 2 of these. I will color them blue, just like the card.

GK-M1-Lesson 8

Count. Circle the number that tells *how many*.

This one is easy! I counted 4 dots in a straight line. So I circle 4.

	<input checked="" type="radio"/> 4	<input type="radio"/> 5
	<input checked="" type="radio"/> 4	<input type="radio"/> 5

I counted 4 this time, too, but it looks different. I see 2 on the top and 2 on the bottom.

GK-M1-Lesson 9

Count the circles, and box the correct number. Color in the same number of circles on the right as the shaded ones on the left to show hidden partners.

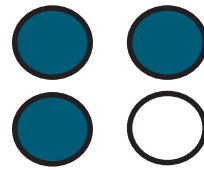
There are 4 dots: 3 of them are gray, and 1 is white. The hidden partners are 3 and 1.



3

4

5



I color in 3 circles.

I see 3 and 1 hiding inside of 4.

GK-M1-Lesson 10

Count how many. Draw a box around that number. Then, color 3 of the circles in each group.

There are 4 dots.
I color 3 of them.
The hidden partners
are 3 and 1.

3 4 5

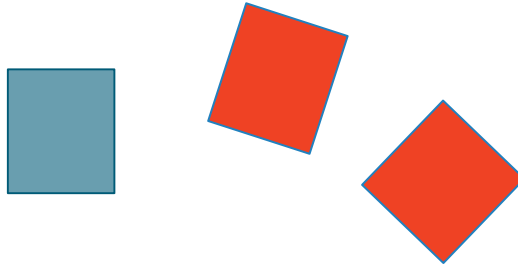
3 4 5

I color in 3 circles.
I see 3 and 2 hiding
inside of 5.

GK-M1-Lesson 11

Color the shapes to show $1 + 2$. Use your 2 favorite colors.

I colored 1 blue and
2 red.
3 is the same as 1
and 2.






How many shapes are there?

Circle the number. 1 2 **3** 4 5


GK-M1-Lesson 12

How many? Draw a line between each picture and its number.

	0
	1
	2
	3

There is nothing in this box. I learned a way to say that in math class: zero.

I know how to write zero, too: curve from the top; be a hero! Close the loop, and make a zero.

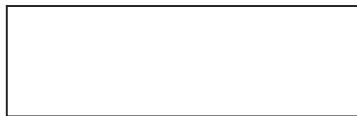
How many  are in your home? 0

GK-M1-Lesson 13

Count the objects. Write how many.

1, 2.

I count 2 cats.
I write the
number 2.



Write the missing numbers.

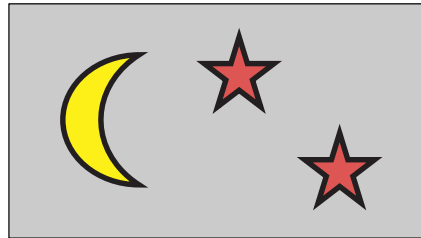
1, 2, 3

3, 2, 1, 0

GK-M1-Lesson 14

Color the picture to match the number sentence.

I count 3 things.
I color the moon
yellow and the
2 stars red. When
I take apart 3, its
parts are 2 and 1.



$$3 = 1 + 2$$

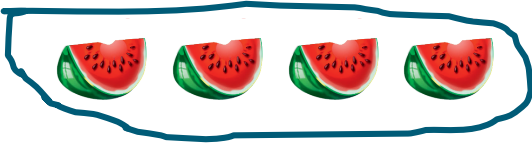
Write the number sentence:

$$3 = 1 + 2$$

I read it like this:
3 is the same as
1 and 2.

GK-M1-Lesson 15

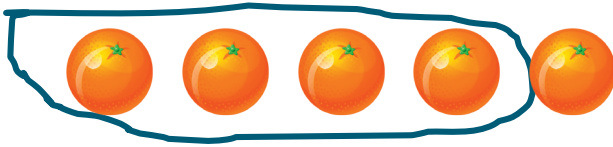
Count and write how many. Circle a group of four of each fruit.



4

1, 2, 3, 4. I count 4 fruits. I circle all of them.

I can write 4.
Trace down the side; cross the middle for fun. Top to bottom, and you are done!



5

1, 2, 3, 4, 5. I count 5 fruits. I circle 4 of them. I see 4 hiding inside of 5.

I can write 5.
Trace down the side; curve like that. Back to the dot, and give it a hat!

GK-M1-Lesson 16

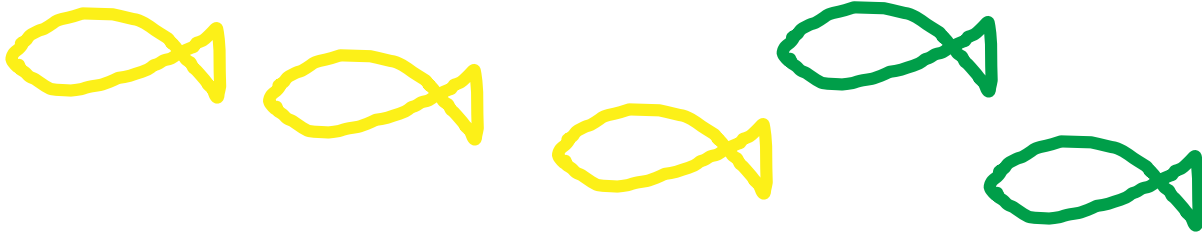
Write the missing numbers:

1, 2, 3, 4, 5
4, 3, 2, 1, 0

I can count up
and down.

Counting out
loud helps me
find the missing
number.

Draw 3 yellow fish and 2 green fish.



How many fish are there in all? There are 5 fish.

3 fish and 2 fish make 5 fish.

5 is the same as 3 and 2.

Breaking apart
5 is easy. I see
3 and 2 in my
picture.

I can put
together 3 and
2 to make 5.

GK-M1-Lesson 17

Color 4.



Color 6.



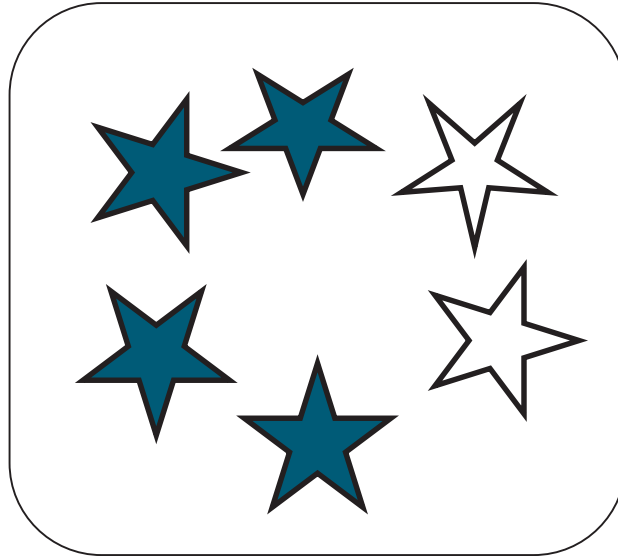
Connect the boxes with the same number.

I count 5 dots in this box.

Then, I draw a line to this set of 5 hearts.

GK-M1-Lesson 18

Color 4.

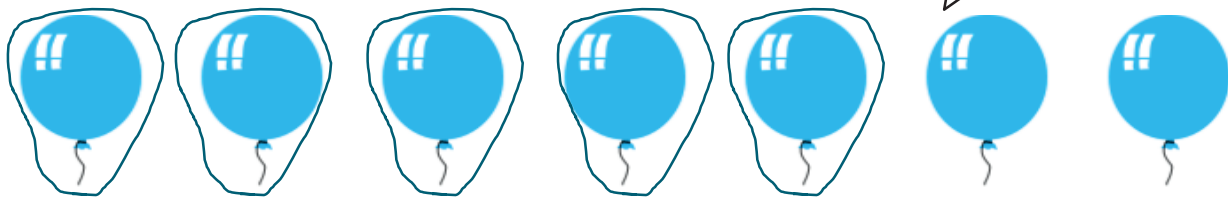


I can count stars in a circle! I color 4 stars. There are 2 stars left. That makes 6 stars in all.

It's easy for me to count objects in a row. I count 7 balloons!

Circle 5 balloons.

When I circle 5 balloons, I notice 2 balloons are left.

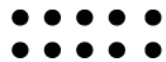
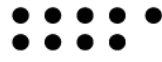
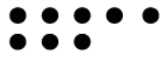


GK-M1-Lesson 19



5-group

Like fingers on a hand, we can make groups of 5 (and some more).



Draw a line from the numeral to the 5-group it matches.

I can count the dots on the 5-group card: 1, 2, 3.
With practice, I'll be able to just see that there are three.

Here's one card with 5 and another with 2. I can count 5, 6, 7.
Or, I can count them all. That's seven!

Fill in the missing numbers.

I count up to 7, starting from any number. Look at me! I can write my numbers!

4, 5, 6, 7

7, 6, 5, 4, 3, 2

1, 2, 3, 4, 5, 6, 7

7, 6, 5, 4, 3, 2, 1

GK-M1-Lesson 20

How many? Write the number in the box.

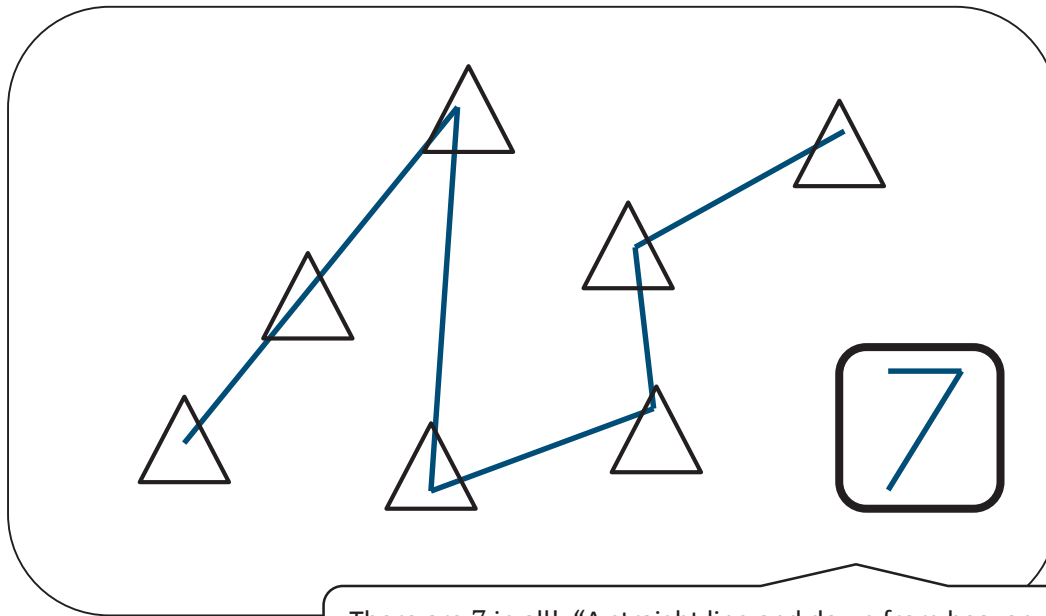


Look! I see 5 and 2 more! That makes 7!

I can count the triangles! Here is my counting path. What's yours?

Count how many. Write the number in the box.

Draw a line to show how you counted the triangles.

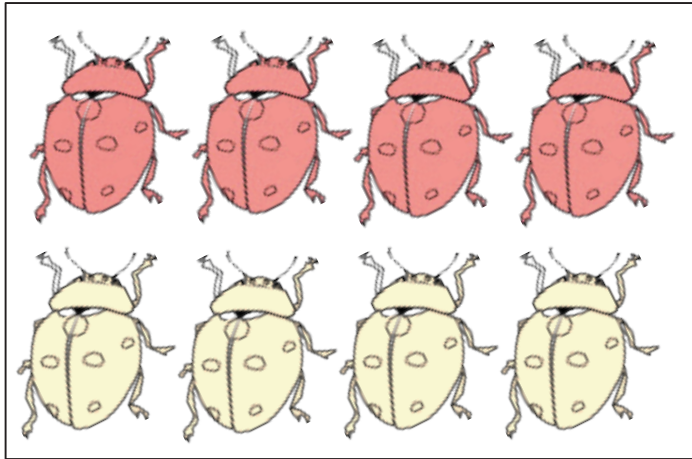


There are 7 in all! "A straight line and down from heaven; that's the way we make a 7!"

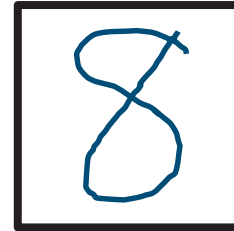
GK-M1-Lesson 21

Color 4 ladybugs red. Color 4 ladybugs yellow.

Count how many ladybugs. Write the number in the box.



These two rows have the same number of ladybugs. I can see 4 and 4 hiding in 8.

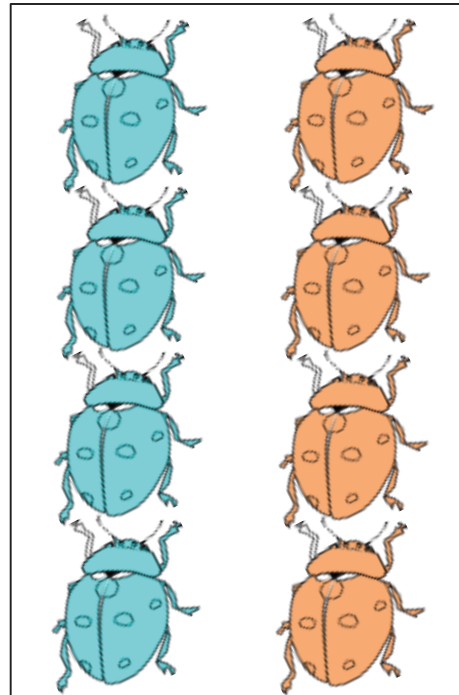
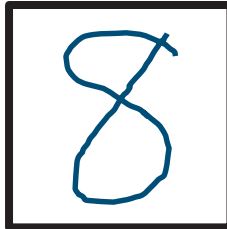


I can write 8 all by myself!

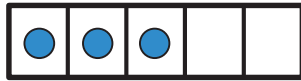
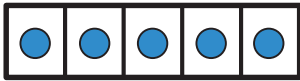
Color 4 ladybugs blue. Color 4 ladybugs orange.

Count how many ladybugs. Write the number in the box.

It doesn't matter whether the ladybugs are arranged in rows or columns; there are still 8 ladybugs in all!



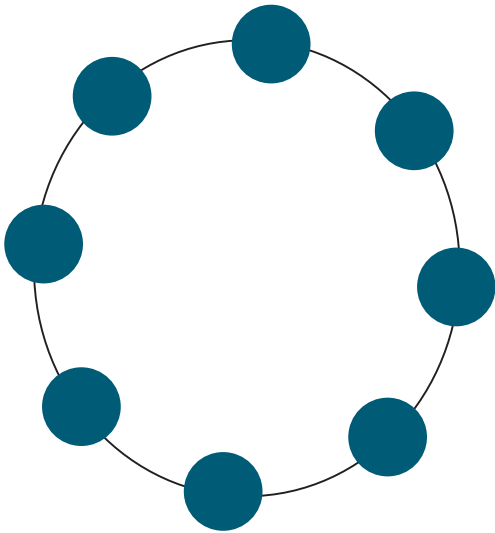
Count how many. Write the number in the box.



Here's another way to show 8. I see 5 and 3 hiding in 8.

GK-M1-Lesson 22

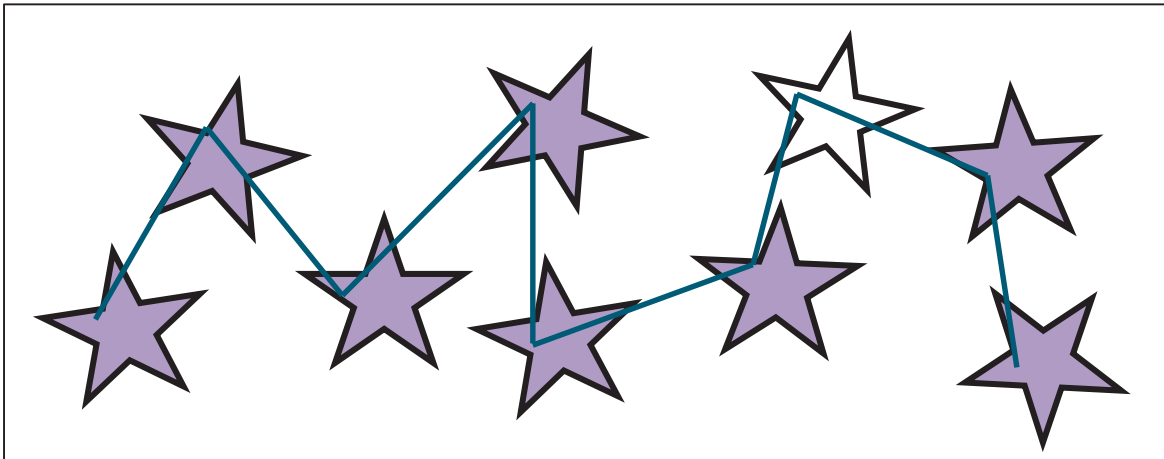
Draw 8 beads around the circle.



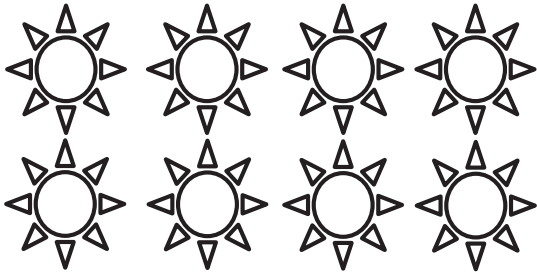
How did you count? What is your strategy?

Color 8. Draw a line to show your counting path.

This path shows how I counted the stars.
How did you count?



Count how many. Write the number in the box

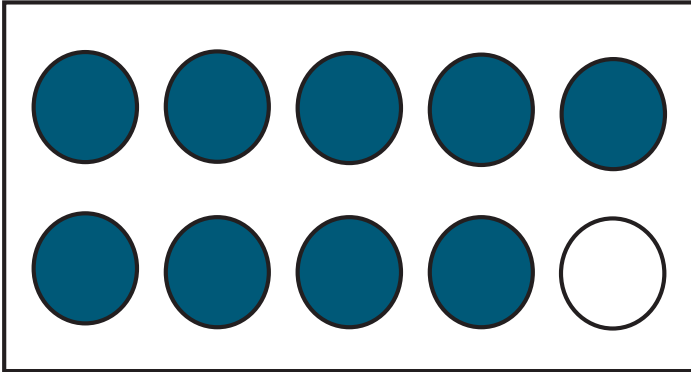


I can write 8. Make an S, and do not stop. Go right back up, and an 8 you've got!

GK-M1-Lesson 23

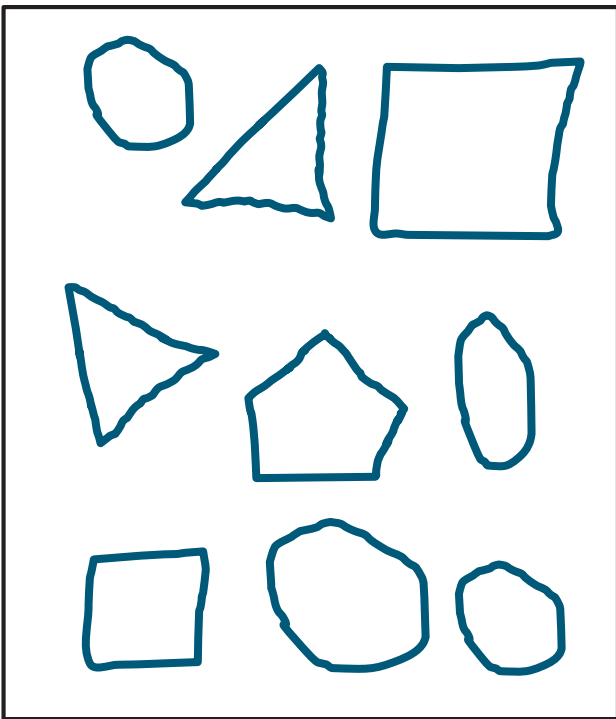
Color 9 circles.

I can see 5 and 4 hiding in 9.



I can see 1 and 9 is ten!

Draw 9 shapes.

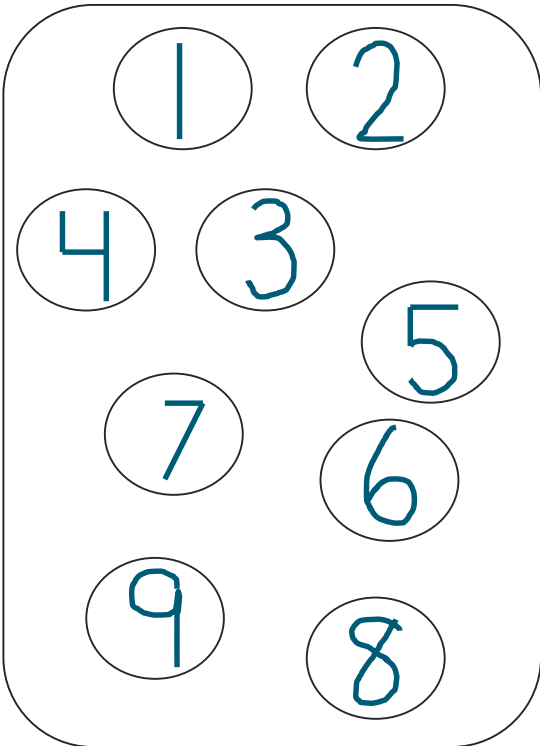


Do your shapes look like mine?
There are so many ways to draw and arrange nine!

GK-M1-Lesson 24

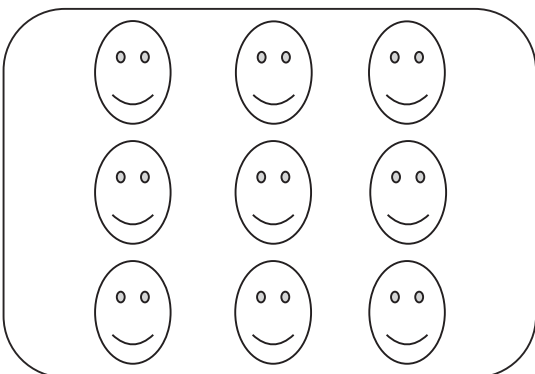
Number the circles from 1 to 9.

Look at me! I can count 9 circles scattered about. I don't count any circles more than once. I have a strategy. Do you?




My numbers record my counting path. There are so many ways to count this set!

Count. Write the number in the box.

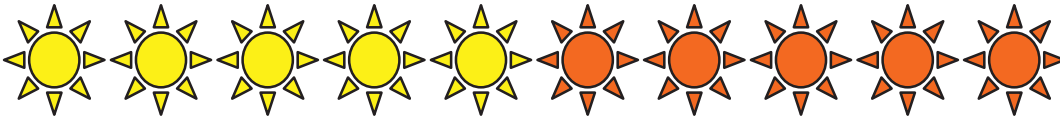


I remember how to write 9. A hoop and a line. That's the way we make nine!



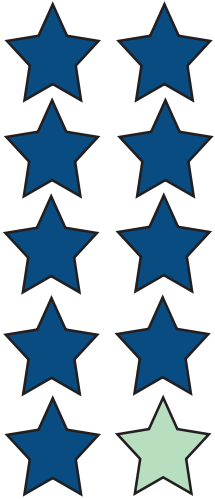
GK-M1-Lesson 25

Color 5 suns. Color 5 more suns a different color.



I count 10 in all! Ten is the same as 5 and 5.

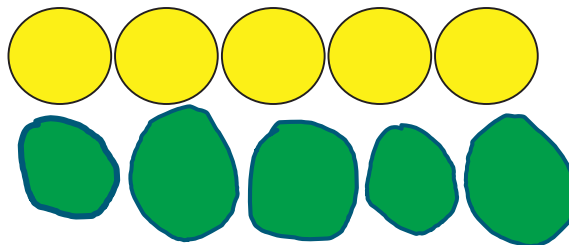
Color 9 stars. Color 1 more star a different color.



I count 10 colored stars in all!
Nine and 1 more make ten!

I see 2 columns of 5. I see 5 rows of 2.
They both show 10 in all.

Draw 5 circles under the row of circles. Color 5 circles yellow. Color 5 circles green.



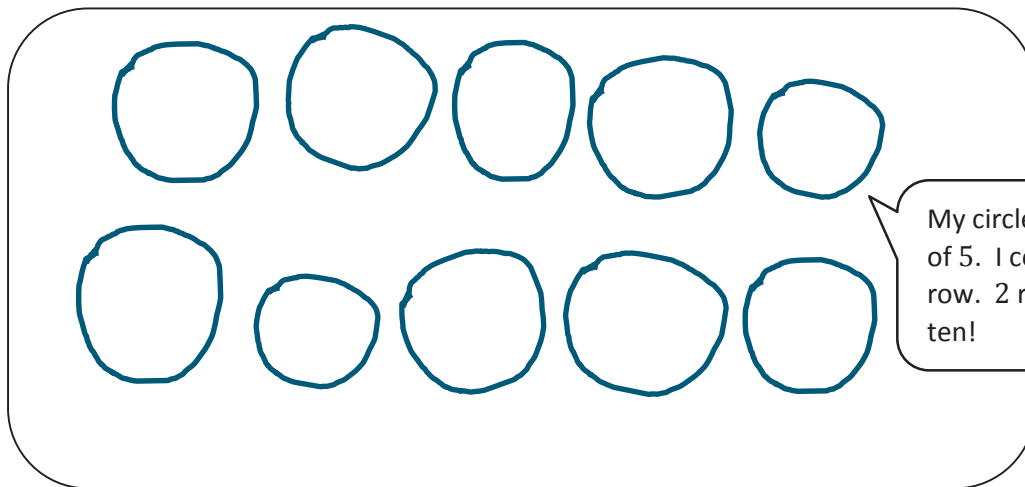
I color 1 row of 5 circles. I can draw 5 more circles. Look at my 2 rows of five!

GK-M1-Lesson 26

Draw 5 circles in a row. Draw another 5 circles in a row under them.

How many circles did you draw?

Write the number in the box.

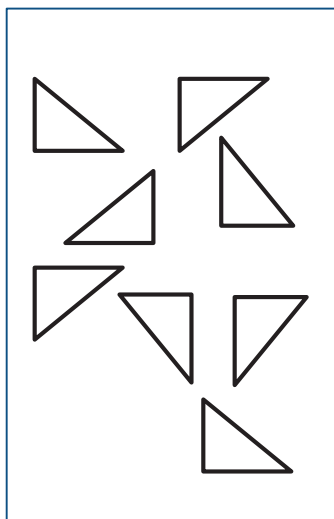


I can write ten!

10

My circles are in groups of 5. I count 5 in each row. 2 rows of 5 make ten!

Write how many in the box.



These triangles are not arranged in a line. But, I can count them all without counting twice. I've got a strategy!

8

GK-M1-Lesson 27

Draw enough  to make 10.

I count 5 hearts. I can draw more to make 10.

I made 2 groups of five! Like my fingers on my 2 hands, altogether there are ten!

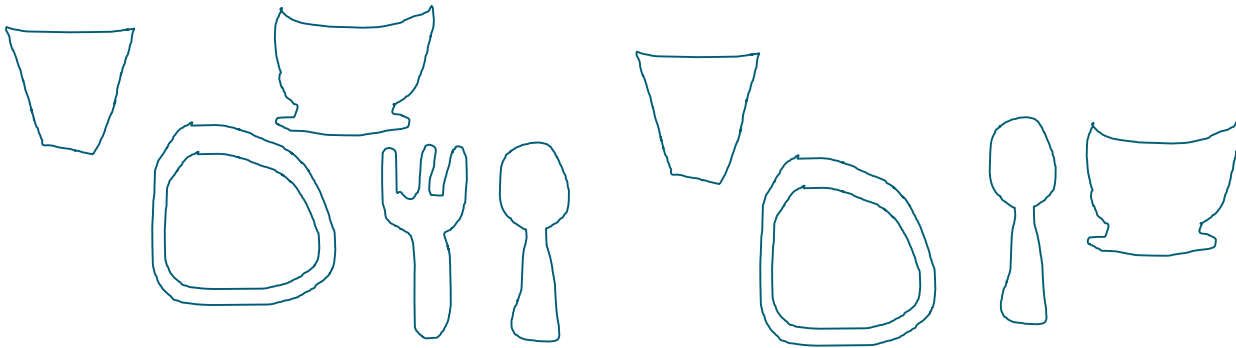
Draw enough  to make 10.

I count as I draw enough to make 10. I count again...yes! There are ten!

GK-M1-Lesson 28

Make up a story about 10 things in your house. Draw a picture to go with your story. Be ready to share your story at school tomorrow.

I remember math stories we acted out in class today. Stories like, "8 students. 4 are girls. How many are boys?"
I can draw and tell a story. Can you solve?

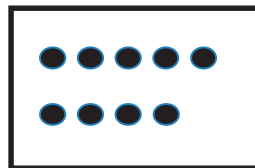
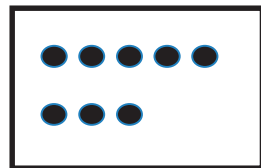


Mama and me ate a snack. There were 10 things on the table. Then, I dropped my fork on the floor. How many things are still on the table?



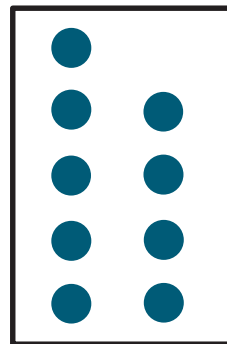
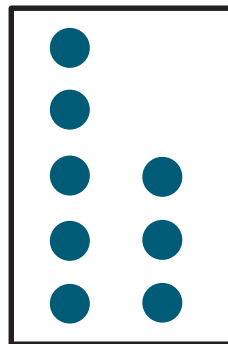
GK-M1-Lesson 29

Count the dots. Write how many in the circle. Draw the same number of dots below the circle but going up and down instead of across.

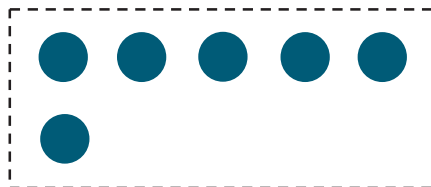


I can show a number by writing the numeral or by drawing dots.

I can draw 8 circles.
I have 8.
One more is 9.



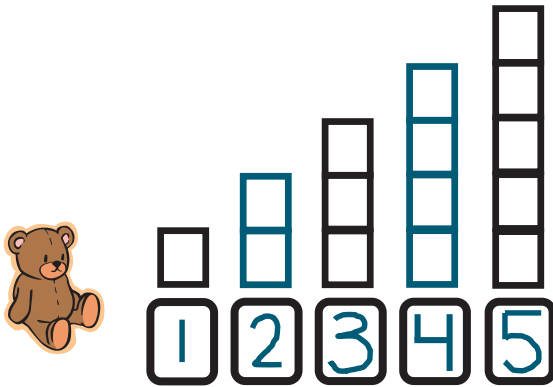
Make your own 5-group cards! Cut the cards out on the dotted lines. On one side, write the numbers from 1 to 10. On the other side, show the 5-group dot picture that goes with the number.



This is just like the Math Way of counting on my fingers! I have a row of 5 dots and then 1 more. I show 6 as 5 fingers on one hand and 1 on the other. I can count: five, six.

GK-M1-Lesson 30

Draw the missing stairs. Write the numbers below each step.

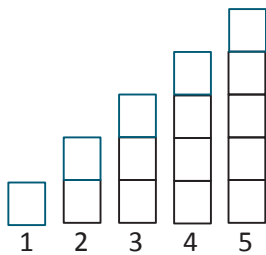


I can draw steps so baby bear can get to his mama! I can write the number 1 under the first step.

1. 1 more is 2.
2. 1 more is 3.
3. 1 more is 4.

I can count the 1 more way up to 10.

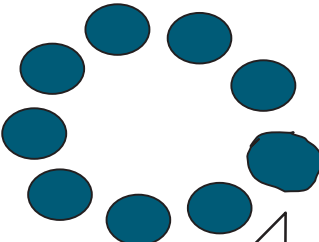
Draw 1 more cube on each stair so the cubes match the number. Say as you draw, "1. One more is two. 2. One more is three."




Every time I draw 1 more cube, the stairs get taller.

GK-M1-Lesson 31


Draw one more circle. Color all the circles, and write how many.




I counted 8 circles. When I draw 1 more circle, I can say: 8. 1 more is 9.



Draw one more star. Color all the stars, and write how many.



I counted 6 stars. Then, I can say: 6. 1 more is 7.

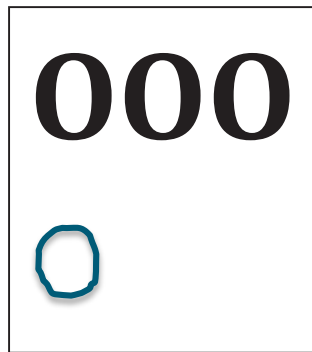
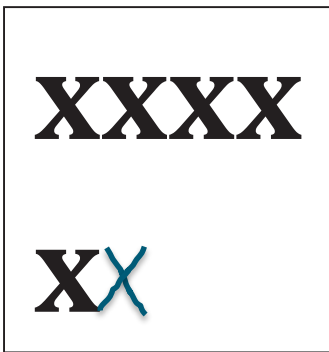


GK-M1-Lesson 32

Write the missing numbers.

2, 3, 4, 5, 6, 7, 8, 9, 10

Draw X's or O's to show 1 more.



Each number in the row is 1 more.
6. 1 more is 7. Then 8. Then 9.

I don't have to start counting
at 1 every time. I know there
are 3 O's. 1 more is 4. If I
drew the O's in a line, there
would still be 4 of them.

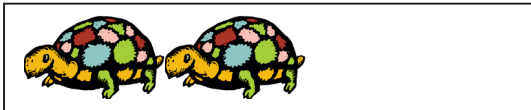
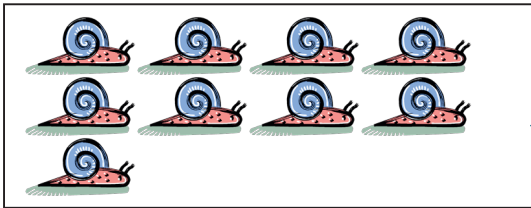
Tell someone a story about "1 more...and then 1 more." Draw a picture about your story.



Listen to my story: I have 3 apples in a
basket. I put 1 more apple in my basket.
3. 1 more is 4. Then, I put 1 more in my
basket. 4. 1 more is 5. I have 5 apples
now!

GK-M1-Lesson 33

Draw a line to match the picture to its number.



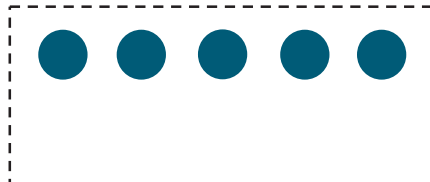
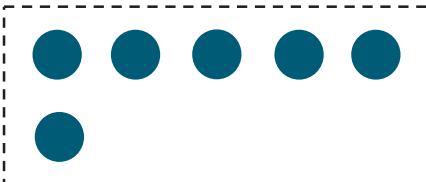
2

6

9

I am a number detective! I can find the picture that matches each number.

Make 5-Group Cards: Cut the cards out on the dotted lines. On one side, write the number. On the other side, write the 5-group dot picture that goes with the number. Mix up your cards, and put them in order the "1 less way."



When I put my cards in order from 10 to 1, I see a pattern. Each dot picture is 1 less, and each number is 1 less.

GK-M1-Lesson 34

Count and color the triangles. Draw a group of triangles that is 1 less. Write how many you drew.

9

8

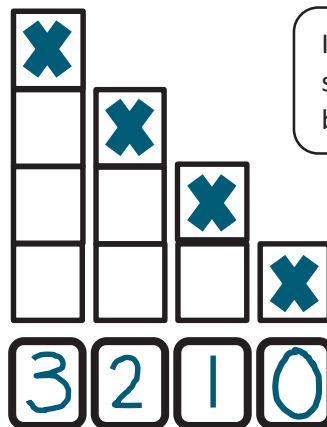
I remember the 1 more pattern when we counted from 1 to 10. This is just the opposite! Now, I can count down from 10 to 1, and each number is 1 less!

Look, one triangle has disappeared! 9. 1 less is 8. If I make another triangle disappear, I can say, 8. 1 less is 7.

GK-M1-Lesson 35

Count and color the cubes in the tower. Cross the top cube off, and write the number. Draw the next tower with 1 less cube until there are no towers left.

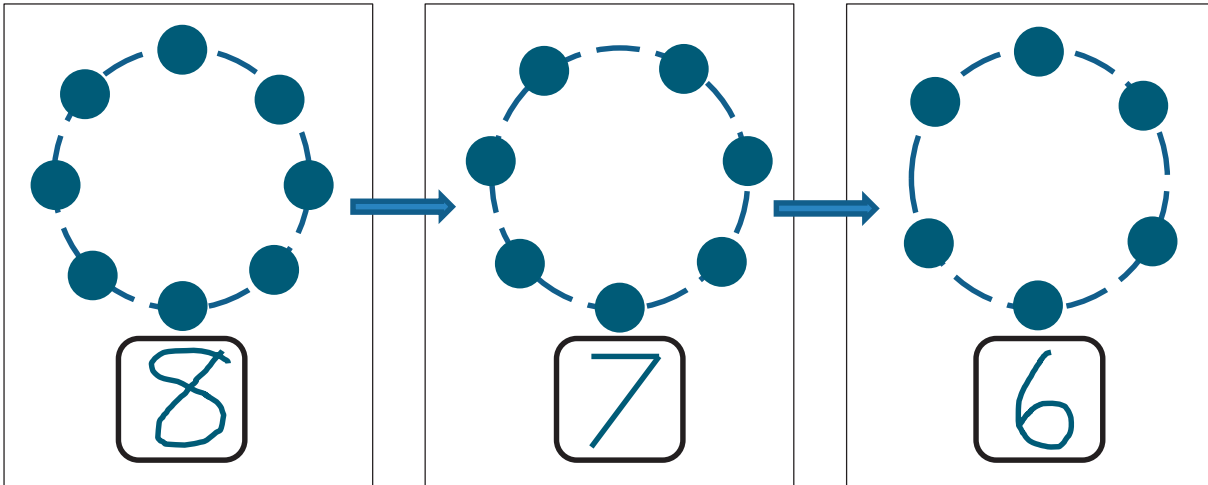
I can count the cubes in this stair.
There are 4. I can cross off the
top cube: 4. 1 less is 3.



I can count the cubes in the last
stair, too. There is 1 cube left,
but I can cross it off: 1. 1 less is 0.

GK-M1-Lesson 36

Draw bracelets to show 1 less than the number in the box. If the number is missing, write it in the box.



I had 8 beads. I know that 1 less is 7. I can call this my 7 bracelet! The next one will be my 6 bracelet. Each bracelet has 1 less.

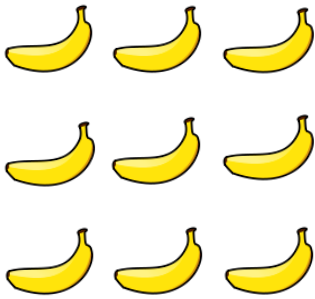
10, 9, 8, 7, 6, 5, 4, 3, 2, 1, 0

I can count down from 10 to 0. When I start at 10, I know that the next number will be 1 less.

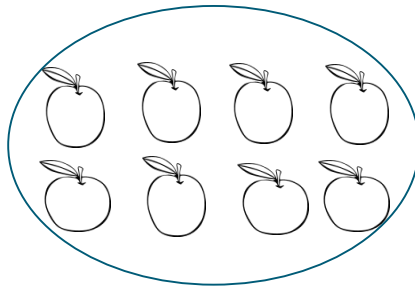
GK-M1-Lesson 37

Note: Be sure to ask your child about his/her mystery number from today's Number Fair!

Count how many are in each group. Write the number in the box. Circle the smaller group.

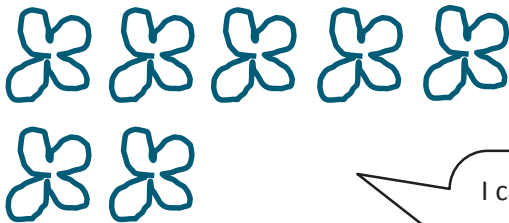


9



8

Draw some flowers.



7

How many?

I can draw 7 flowers in 5 groups. I can count them: fiiiive, six, seven. I know how to write the number 7.

I see rows of bananas and apples. I can count 8 apples. I know that 8 is smaller than 9. I can say 9. 1 less is 8. Or I can say 8. 1 more is 9.