GK-M3-Lesson 1

Draw 2 more trees that are shorter than these trees.
Count how many trees you have now.
Write the number in the box.

On the back of your paper, draw something that is shorter than the refrigerator.

My kitty stands beside the refrigerator. The refrigerator is so tall! Kitty is much shorter than the refrigerator.
### GK-M3-Lesson 2

Using the 1-foot piece of string from class, find three items at home that are shorter than your piece of string and three items that are longer than your piece of string. Draw a picture of those objects on the chart. Try to find at least one thing that is about the same length as your string, and draw a picture of it on the back.

<table>
<thead>
<tr>
<th>Shorter than the string</th>
<th>Longer than the string</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Building Block" /></td>
<td><img src="image2" alt="Bed" /></td>
</tr>
<tr>
<td><img src="image3" alt="Sippy Cup" /></td>
<td><img src="image4" alt="Rug" /></td>
</tr>
<tr>
<td><img src="image5" alt="Truck" /></td>
<td><img src="image6" alt="Jump Rope" /></td>
</tr>
</tbody>
</table>

My building block, my truck, and Sam’s sippy cup are all shorter than the string. I compare the string to things in my room. My bed, my rug, and my jump rope are longer than the string!
GK-M3-Lesson 3

Take out a new crayon. Use a red crayon to circle objects with lengths shorter than the crayon. Use a blue crayon to circle objects with lengths longer than the crayon.

I can use longer than and shorter than as I compare lengths.

I compare the length of my crayon with the length of this shape. My crayon is shorter.

Lesson 3: Make a series of longer than and shorter than comparisons.
GK-M3-Lesson 4

Use a red crayon to circle the sticks that are shorter than the 5-stick.

Use a blue crayon to circle the sticks that are longer than the 5-stick.

I can find sticks that are longer than the 5-stick. I notice they are long and have 2 colors.
GK-M3-Lesson 5

Circle the stick that is shorter than the other.

My \underline{ \ 4 }-stick is shorter than my \underline{ \ 6 }-stick.

My \underline{ \ 6 }-stick is longer than my \underline{ \ 4 }-stick.

Draw a stick that is between a 3-stick and a 5-stick.

Draw a stick that is longer than your new stick.

My 7-stick is longer than my 4-stick!

Draw a stick that is shorter than your new stick.
GK-M3-Lesson 6

Color the cubes to show the length of the object.

The watermelon is shorter than the 8-stick.

I compare the piece of paper to the stick. The paper is about the same length as 4 cubes.
GK-M3-Lesson 7

These boxes represent cubes.

Color 1 cube green. Color 4 cubes red.
Together, my green 1-stick and red 4-stick are the same length as ___ cubes.

Color 3 cubes yellow. Color 2 cubes blue.

How many cubes did you color? ___
Together, my 3 cubes and 2 cubes are the same length as ___ cubes.
GK-M3-Lesson 8

Draw an object that would be heavier than the one in the picture.

I’d rather carry a pencil in my backpack than a heavy dictionary. The pencil is much lighter!

It’s easy for me to pick up the notebook. But, I can’t pick up Daddy. He’s too heavy.

Lesson 8: Compare using heavier than and lighter than with classroom objects.
Lesson 9: Compare objects using heavier than, lighter than, and the same as with balance scales.

Draw something inside the box that is heavier than the object on the balance.

A bowling ball is heavier than a shoe. It takes so many muscles to pick up a heavy bowling ball.

Draw something lighter than the object on the balance.

An orange is lighter than a pineapple. It’s easier to carry. It weighs so little, I can pick up more than one. I can even throw it!
GK-M3-Lesson 10

The feather is as heavy as ______ pennies.

They are the same weight. The balance is even.

I’m curious! I wonder if the crayon really is as heavy as 6 pennies? I can use a balance scale to test this.

Draw in the pennies so that the crayon is as heavy as 6 pennies.

Lesson 10: Compare the weight of an object to a set of unit weights on a balance scale.
GK-M3-Lesson 11

Draw linking cubes so each side weighs the same.

I count 6 cubes in this set.

I draw 1 more cube to balance the weight. Both sets weigh the same!

Wow! 10 cubes are heavy! I draw the same number of cubes on the opposite side.

Lesson 11: Observe conservation of weight on the balance scale.
Lesson 12: Compare the weight of an object with sets of different objects on a balance scale.

I can compare the weight of the apple with the weights of sets of different objects.

The apple is as heavy as ______ cupcakes.

This is the same apple!

It takes more cupcakes to balance the weight of the apple than sneakers.

The apple is as heavy as ______ sneakers.
GK-M3-Lesson 13

Each rectangle shows 8 items. Circle two different sets within each. The two sets represent the two parts that make up the 8 objects.

I know that a set of 3 and a set of 5 make 8, and a set of 4 and a set of 4 make 8.
GK-M3-Lesson 14

Within each rectangle, make one set of 8 objects.

There are 9 clouds. I circle 8 of them. It’s like 8 is hiding inside of 9.

Here I count 10, and I circle 8 of them.
GK-M3-Lesson 15

Circle 2 sets within each set of 8.

I know that 4 and 4 make 8, and 2 and 6 make 8.
GK-M3-Lesson 16

Cover the shape with beans. Count how many, and write the number in the box.

I can fill the circle with beans and then count to see how many fit. I think it will be a lot because the beans are pretty small!

We’ve only learned to write numbers to 10 so far. So, I asked a grown up to help me write 15.
GK-M3-Lesson 17

Draw straight lines with your ruler to see if there are enough flowers for the butterflies.

I can draw a line to connect each butterfly with one flower. Then I keep going to see if there are enough flowers for every butterfly. Each butterfly gets one flower! That means there are enough!
You have 3 dog bones. Draw enough bowls so you can put 1 bone in each bowl.

I can draw 1 bowl for each bone. To help me figure it out, I drew the bones first. There are 3 bones and 3 bowls.
GK-M3-Lesson 18

Draw straight lines with your ruler to see if there are enough hats for the scarves.

There are not enough hats!

There are more scarves than hats!

Are there more  or ?

There were 2 scarves left over!

These sets are not the same!

There are 4 hats and 6 scarves!

Write the number of 6.
Lesson 18: Compare using more than and the same as.

Write the number of apples: 6

Write the number of ants: 6

Are there the same number of apples as ants? Circle Yes or No.

Yes

There are enough apples for each ant!

First I counted 6 apples. Then I counted 6 ants. These sets are the same!
GK-M3-Lesson 19

Draw another bug so there are the same number of bugs as leaves.

In the box below, draw 6 hearts.

Draw triangles so there are *fewer* triangles than hearts.

Draw circles so there are the *same* number of circles as hearts.

I can draw one more bug so there are the same number of bugs as leaves!

I know I have fewer triangles than hearts because I drew 6 hearts, and I only drew 3 triangles!