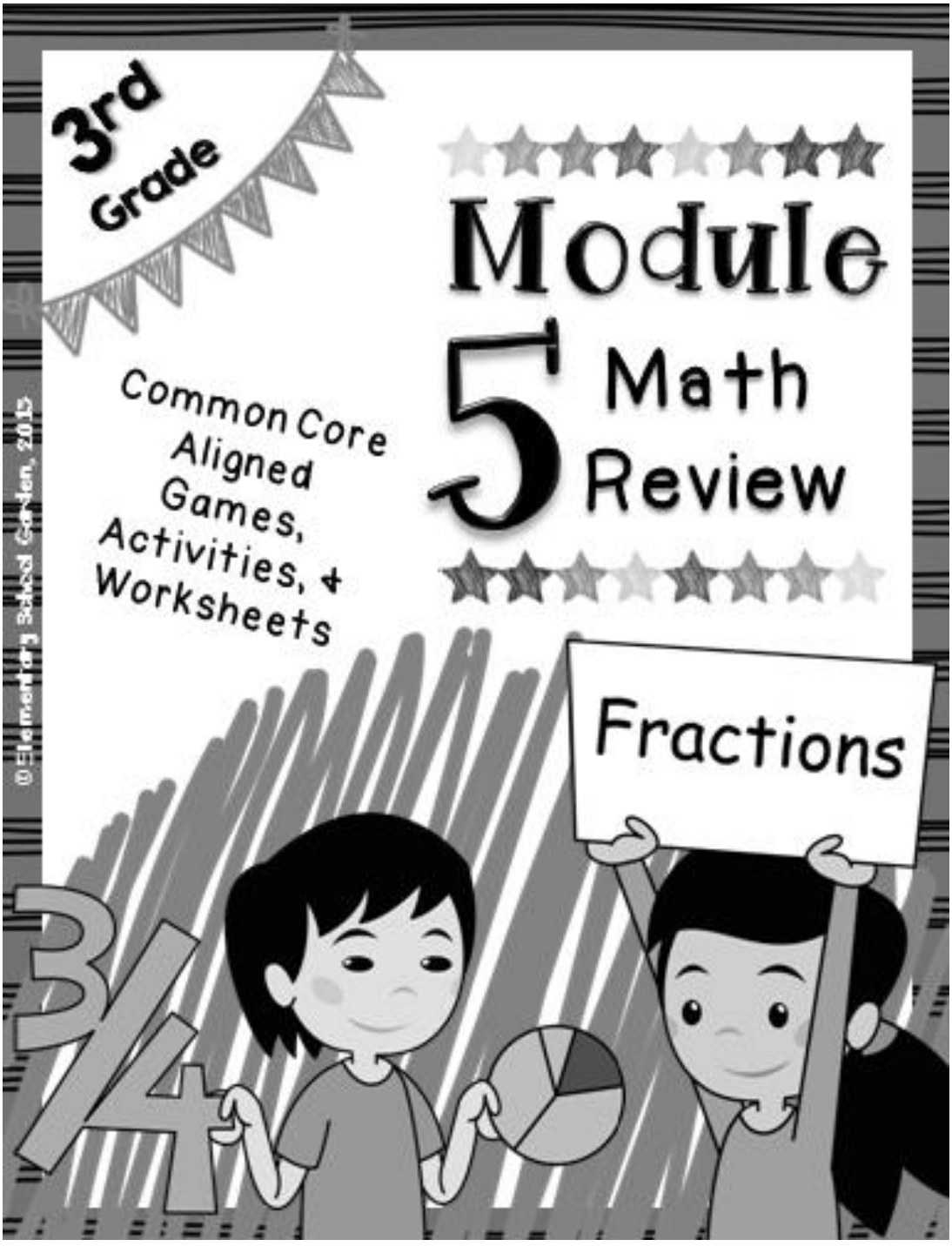
Answer Key


3rd Grade
Module 5
Math Review
Common Core Aligned Games, Activities, & Worksheets
Fractions
3/4
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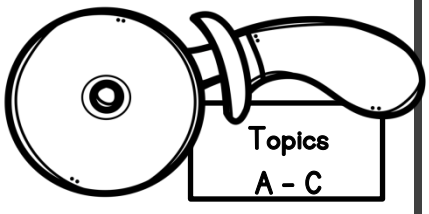
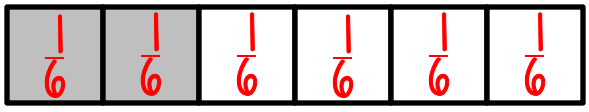
Name: _____

Mid Module 5 Review



1. Jasmine folded 1 whole fraction strip as pictured below.



a. How many equal parts did she divide the group into?

6 equal parts

b. Label each equal part with a unit fraction.

c. Identify the fraction of the strip she shaded.

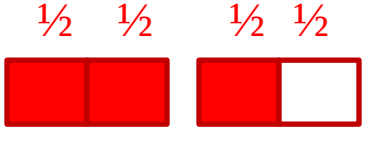
$\frac{2}{6}$

d. Identify the fraction of the strip she did not shade.

$\frac{4}{6}$

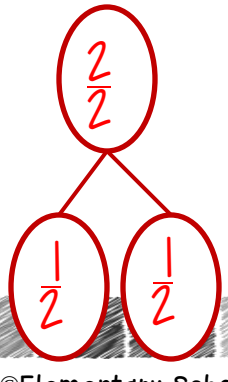
2. Draw 2 rectangles the same size. Each rectangle represents 1 whole.

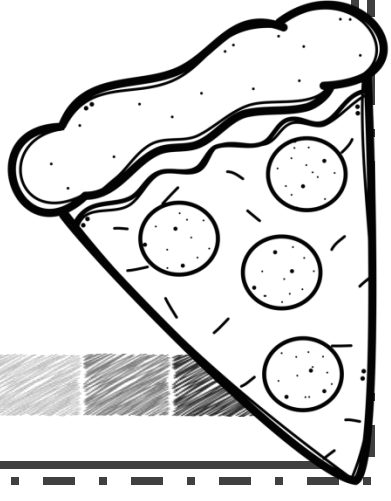
a. Partition each rectangle into 2 equal parts. Shade and label a fraction greater than 1.



3/2

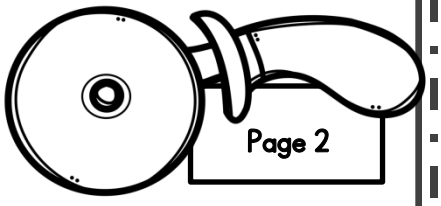
b. Draw a number bond that shows 1 whole rectangle as 2 unit fractions.





Name: _____ **Mid Module 5 Review**

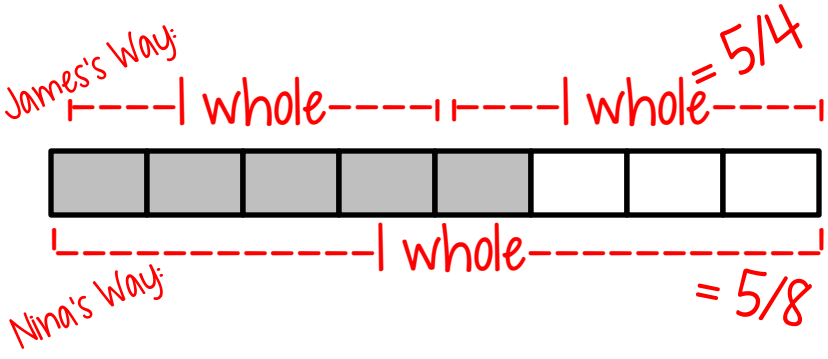
3 Pete's Pizza had a pepperoni pizza and a cheese pizza that were exactly the same size. Tami bought 1 fourth of the pepperoni pizza. Todd bought 1 sixth of the cheese pizza. Who bought a larger piece of pizza? Explain your answer using words, pictures, and numbers.



Tami bought a larger piece of pizza because 1/4 is greater than 1/6.

4. James explained, "My drawing shows a picture of 5/4." Nina says, "It looks like a picture of 5/8 to me."

a. Show and explain how they could both be correct by choosing different wholes. Use words, pictures, and numbers.



They can both be right. It depends on the whole and they don't know what it is.

b. James said to Nina, "One part can represent either 1 fourth or 1 eighth. That must mean 1/4 = 1/8." Do you agree with James? Use words, pictures, and numbers to explain your reasoning.

James is wrong because the wholes are not the same size. The wholes need to be the same size to compare fractions.

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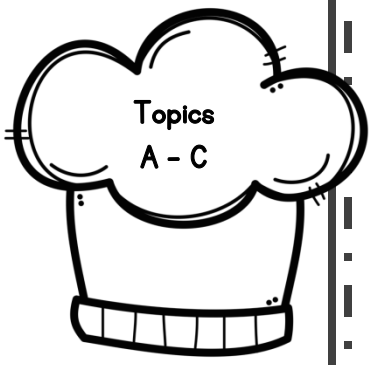
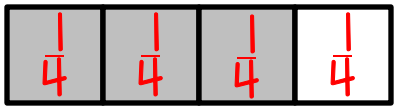
Mid Module 5 Review



1. Traci folded 1 whole fraction strip as pictured below.



a. How many equal parts did she divide the group into?

4 equal parts

b. Label each equal part with a unit fraction.

c. Identify the fraction of the strip she shaded.

$\frac{3}{4}$

d. Identify the fraction of the strip she did not shade.

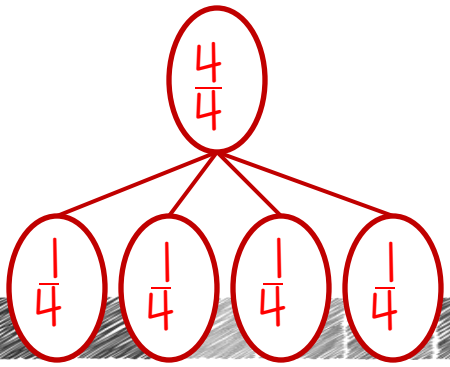
$\frac{1}{4}$

2. Draw 2 rectangles the same size. Each rectangle represents 1 whole.

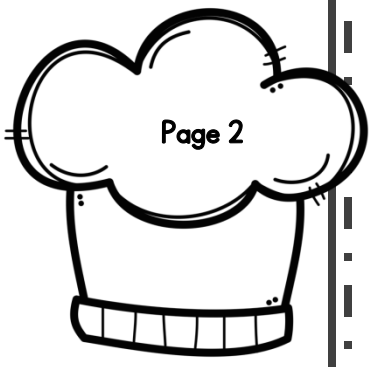
a. Partition each rectangle into 4 equal parts. Shade and label a fraction greater than 1.

Answers May Vary

b. Draw a number bond that shows 1 whole rectangle as 4 unit fractions.



Name: _____ **Mid Module 5 Review**

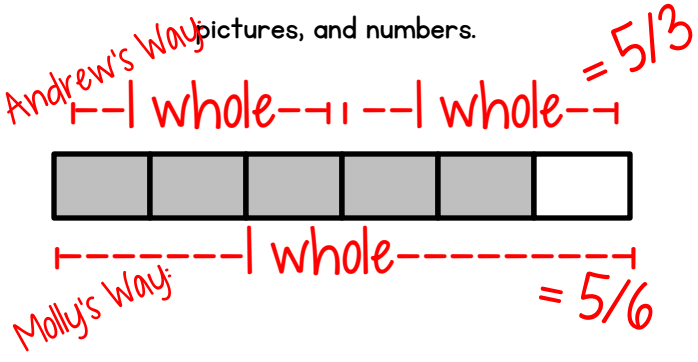


3 Barney's Bakery had a chocolate cake and a vanilla cake that were exactly the same size. Dana bought 1 third of the chocolate cake. Chris bought 1 fourth of the vanilla cake. Who bought a larger piece of cake? Explain your answer using words, pictures, and numbers.

Dana bought a larger piece of cake because 1/3 is greater than 1/4.

4. Andrew explained, "My drawing shows a picture of 5/3." Molly says, "It looks like a picture of 5/6 to me."

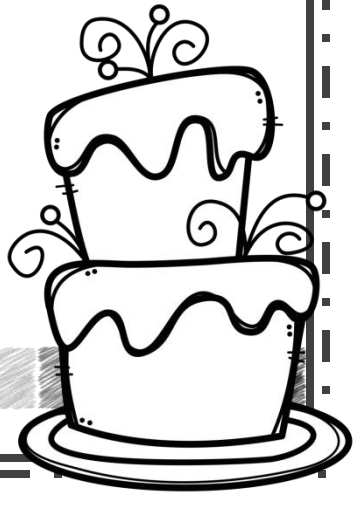
a. Show and explain how they could both be correct by choosing different wholes. Use words, pictures, and numbers.



They can both be right. It depends on the whole and they don't know what it is.

b. Andrew said to Molly, "One part can represent either 1 third or 1 sixth. That must mean 1/3 = 1/6." Do you agree with Andrew? Use words, pictures, and numbers to explain your reasoning.

Andrew is wrong because the wholes are not the same size. The wholes need to be the same size to compare fractions.



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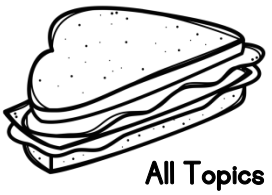
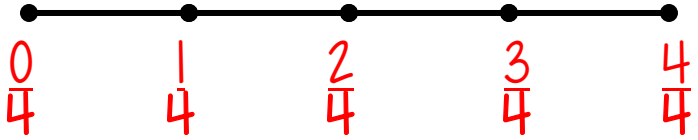
End Module 5 Review



All Topics

1. Erin put 5 equally spaced hooks on the wall so she could hang picture frames. The whole length is from the first hook to the last hook.

   a. On the picture below, label the fraction of the walls length where each hook is located.



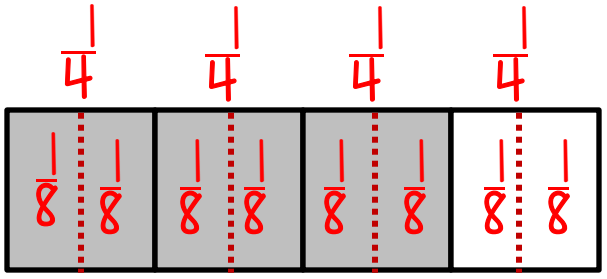
   b. At what fraction is Erin's favorite picture frame if she hangs it at the halfway point?

$\frac{2}{4}$

   c. Write a fraction that is equivalent to your answer for Part (b).

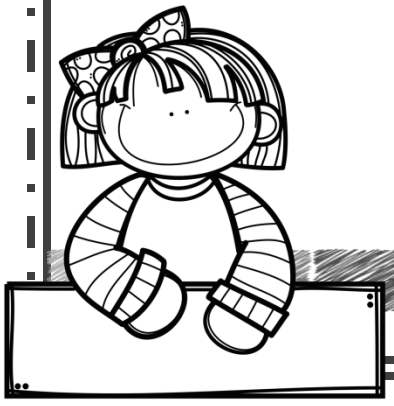
$\frac{1}{2}$

2. Josh used the picture below to show his son how to find a fraction equal to ¾. Explain what Josh might have said and done using words, pictures, and numbers.



$\frac{3}{4} = \frac{6}{8}$

I made each ¼ into 2 smaller, equal parts. So then it wasn't just fourths anymore, it was eights too! I can see from the shading that ¾ is the same as 6/8.



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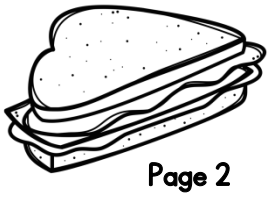
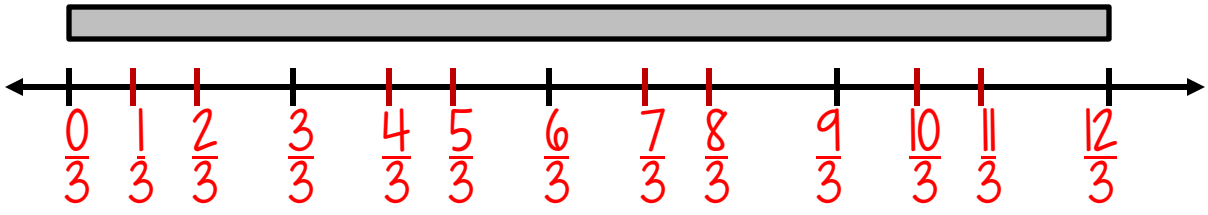


3. Samantha and her sons have the exact same chocolate bars. Samantha has eaten 4/8 of her chocolate bar. Her son has eaten 3/8 of his. Who has eaten more? Explain your answer using words, pictures, and numbers.

Samantha has eaten more because 4/8 is bigger than 3/8.

4. Sam's Sub Shop sells subs that are 4 feet long.

a. Label the number line to show how Sam's Sub Shop might cut their sub into 1/3 of a foot long. Label every fraction on the number line, include renaming the wholes.

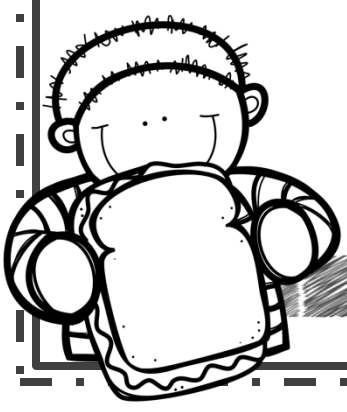


b. Sam's Sub Shop cuts the sub into pieces that are 1/3 of a foot long. 3 customers each eat one piece. What fraction of the whole sub is eaten? Explain your answer using words, pictures, and numbers.

¼ of the whole sub was eaten because together they ate 1 of the 4 feet. Or, you can say 3/12 was eaten because there are 12 pieces and they ate 3 pieces.

c. One customer says that 1 third is the same as 2 sixths. Do you agree? Why or why not? Use words, pictures, and numbers to explain your answer.

Yes, I agree. When I draw a number line with thirds and sixths, 1/3 and 2/6 are at the same point. That means they are equal!



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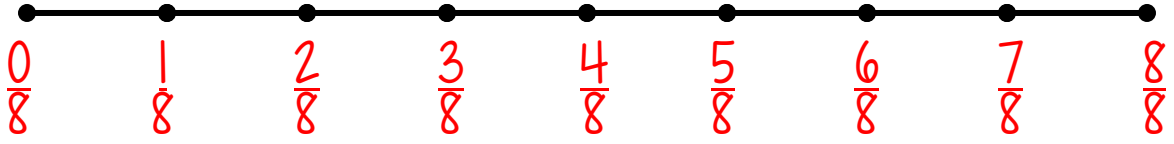
End Module 5 Review

1. Tilly put 9 equally spaced cupcakes on the table for the bake sale. The whole length is from the first cupcake to the last cupcake.

   a. On the picture below, label the fraction of the tables length where each cupcake is located.



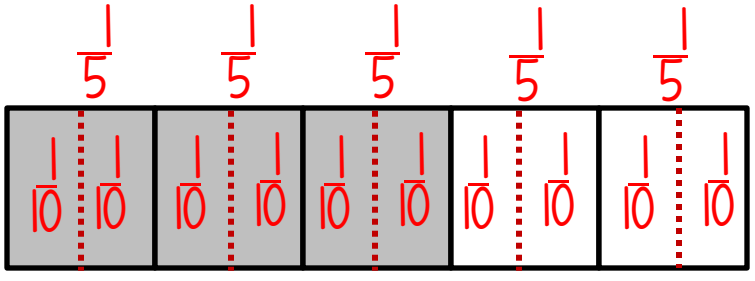
   b. At what fraction is the chocolate cupcake if she places it at the halfway point?

$\frac{4}{8}$

   c. Write a fraction that is equivalent to your answer for Part (b).

$\frac{1}{2}$

2. Ashton used the picture below to show his son how to find a fraction equal to 3/5. Explain what Ashton might have said and done using words, pictures, and numbers.



$\frac{3}{5} = \frac{6}{10}$

I made each 1/5 into 2 smaller, equal parts. So then it wasn't just fifths anymore, it was tenths too! I can see from the shading that 3/5 is the same as 6/10.

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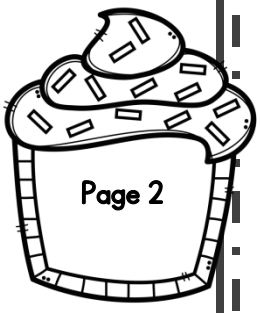
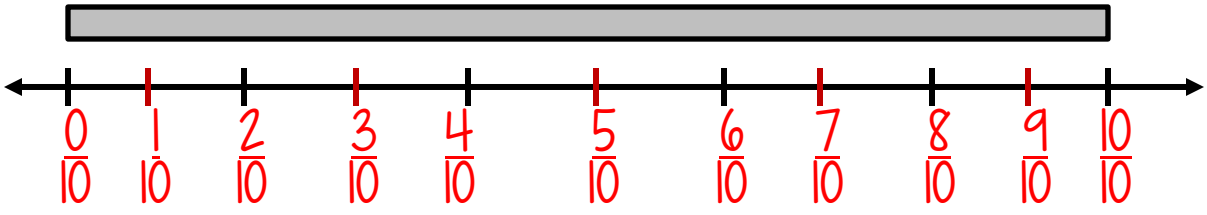


3. Apollo and his friends have the exact same sandwiches. Apollo has eaten 2/4 of his sandwich. His friend has eaten 3/4 of his. Who has eaten more? Explain your answer using words, pictures, and numbers.

His friend has eaten more because 3/4 is bigger than 2/4.

4. Jack's Lumber Yard sells wood planks that are 5 feet long.

a. Label the number line to show how Jack's Lumber Yard might cut their wood plank into 1/2 of a foot long. Label every fraction on the number line, include renaming the wholes.



b. Jack's Lumber Yard cuts the wood planks into pieces that are 1/2 of a foot long. 2 customers each purchase one piece. What fraction of the wooden plank is purchased? Explain your answer using words, pictures, and numbers.

1/5 of the whole wood plank was purchased because they purchased 1 of the five feet. Or, you can say 2/10 was purchased because there are 10 pieces and they purchased 2 pieces.

c. One customer says that 1 half is the same as 5 tenths. Do you agree? Why or why not? Use words, pictures, and numbers to explain your answer.

Yes, I agree. When I draw a number line with halves and tenths, 1/2 and 5/10 are at the same point. That means they're equal.

Name: _____

Mid-Module 5 Review

Topics A – C

Beto's Bakery had chocolate chip cookie bread and banana bread slices that were the same size. Jasmine ate 1/2 of a slice of chocolate chip bread. Her brother ate 1/3 of a slice of banana bread. Solve problems 1-9 in the boxes below. Problem 1 is given in the box below.

#1 Who ate the bigger piece of bread? Jasmine or her brother?

Jasmine

#2

4

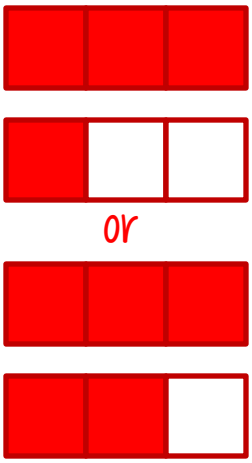
#3

$\frac{1}{4}$

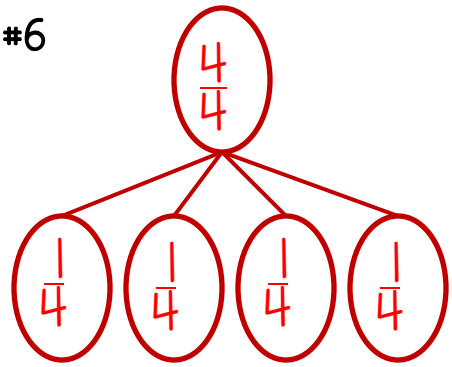
#4

2/4

#5



#6



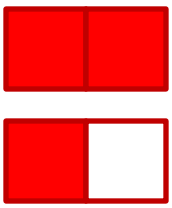
#7

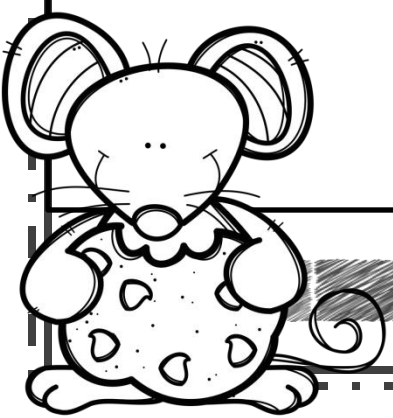
No, ½ does not equal ¼. ½ is greater than ¼.

#8

$\frac{1}{4}$

#9





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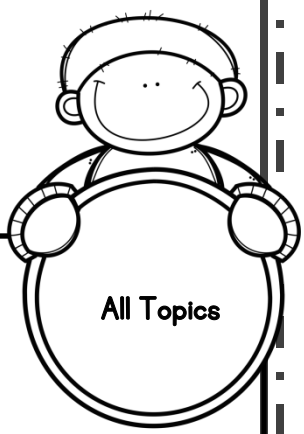
End-Module 5 Review



Adam lived 1 fourth of a mile from the beach. Zach lived 1 third of a mile from the beach. Use this information to solve problems 1–9. Problem 1 is given in the box below.

#1 Who lived closer to the beach? Adam	#2 $\frac{0}{4}$ $\frac{1}{4}$ $\frac{2}{4}$ $\frac{3}{4}$ $\frac{4}{4}$	#3 2/4 or 3/6 or 4/8, etc...
#4 1/2 (answers may vary)	#5 3/12	#6 =
#7 >	#8 Greg	#9 Yes

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