Eureka Math

&

Engage NY

Mid-Module Review

3rd Grade

Module 5

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Eureka Math Mid Module Review 3.5

Name _____ Date _____ _____/16

1. Mark folded 1 whole fraction strip as pictured above.

   a. How many equal parts did he divide the whole into?

   b. Label each equal part with a unit fraction.

   c. Identify the fraction of the strip that is shaded.

   d. Identify the fraction of the strip that is not shaded.

Common Core Standards: 3.NF.1, 3.NF.3, 3.G.2

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.

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

3. Mary and Tim went out to lunch. They ordered a turkey sub sandwich and a beef sub sandwich that were exactly the same size. Mary ate 1 third of the turkey sub. Tim ate 1 fourth of the beef sub. Who ate a larger piece of the sub? Explain your answer using words, pictures, and numbers.

4. Mary drew the picture below. Mary says that she drew a fraction that shows $\frac{4}{3}$. Tim says that she drew a fraction that shows $\frac{4}{6}$ whole.

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

   b. Mary said that, one part can represent either 1 sixth or 1 third. That must mean $\frac{1}{6} = \frac{1}{3}$. Is Mary correct? Use words, pictures, and numbers to explain your reasoning.

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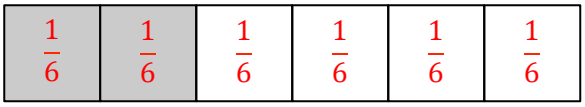
Answer Key



1. Mark folded 1 whole fraction strip as pictured above. (4pts = answers 4 parts correctly, 3pts = answers 3 of 4 parts correctly, 2pts = 2 parts correct, 1pt = 1 answer correct)(3.NF.1)

   a. How many equal parts did he divide the whole into?

   6 equal parts

   b. Label each equal part with a unit fraction.

   c. Identify the fraction of the strip that is shaded.

   $\frac{2}{6}$

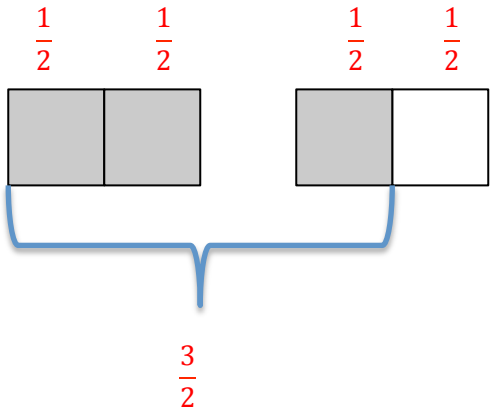
   d. Identify the fraction of the strip that is not shaded.

   $\frac{4}{6}$

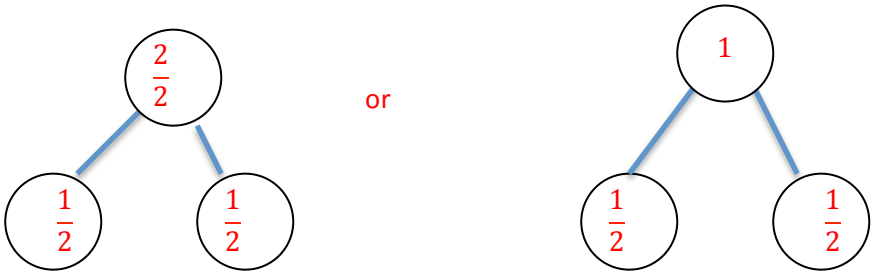
Common Core Standards: 3.NF.1, 3.NF.3, 3.G.2

2. Draw 2 rectangles the same size. Each rectangle represents 1 whole. (4pts = answers both parts correctly, 3pts = answers part a correctly only, 2pts = answer only part b correctly, 1pt = both incorrect)(3.NF.3, 3.G.2)

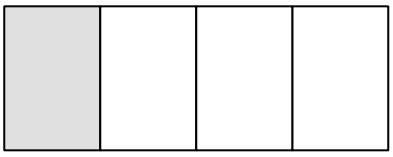
   a. Partition each rectangle into 2 equal parts. Shade and label a fraction greater than 1.



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



3. Mary and Tim went out to lunch. They ordered a turkey sub sandwich and a beef sub sandwich that were exactly the same size. Mary ate 1 third of the turkey sub. Tim ate 1 fourth of the beef sub. Who ate a larger piece of the sub? Explain your answer using words, pictures, and numbers.(4pts = correct answer with words, pictures and numbers, 3pts = includes picture but lacks explanation, 2pts = draws incorrect picture with incorrect answer, 1pt = no evidence of understanding)(3.NF.3, 3.G.2)



Tim ate $\frac{1}{4}$

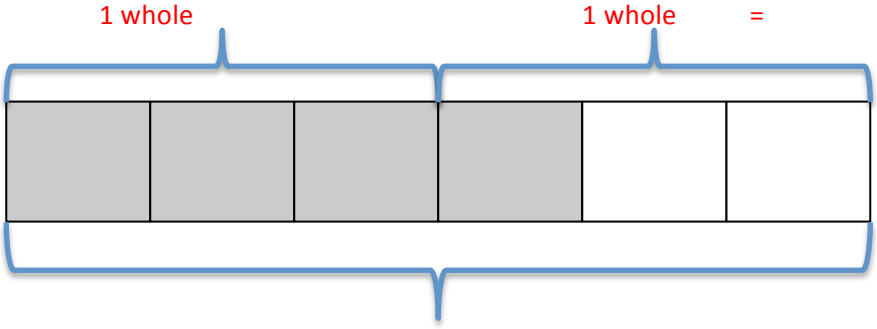
Mary ate a larger piece of sub because $\frac{1}{3} > \frac{1}{4}$

Mary ate $\frac{1}{3}$

4. Mary drew the picture below. Mary says that she drew a fraction that shows $\frac{4}{3}$. Tim says that she drew a fraction that shows $\frac{4}{6}$ whole.(4pts = correct answers with drawings and explanation both parts, 3pts = drawings with little explanation, 2pts = correctly completes 1 part, 1pt=unable to model fractions)(3.NF.1, 3.NF.3, 3.G.2)

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

1 whole 1 whole = $\frac{4}{3}$

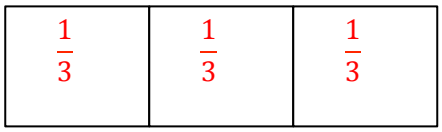


1 whole = $\frac{4}{6}$

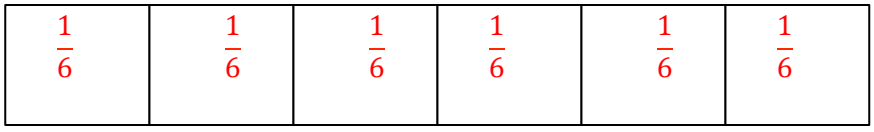
They are both correct as it depends on the whole.

   b. Mary said that, one part can represent either 1 sixth or 1 third. That must mean $\frac{1}{6} = \frac{1}{3}$. Is Mary correct? Use words, pictures, and numbers to explain your reasoning.

Mary's Whole



Tim's Whole



Mary is wrong as the wholes are different sizes and you need the whole to be the same size to compare the parts.