Topic A Quiz Prep (Lessons 1 – 4)
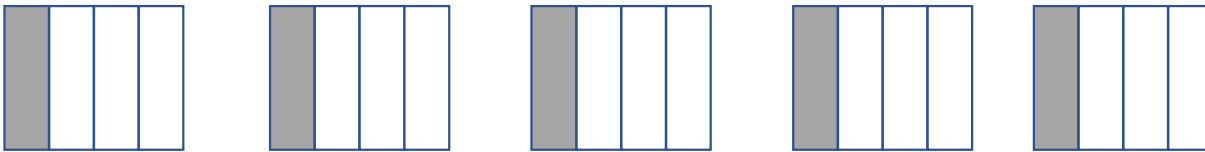
There will be 6 questions on this quiz. Practice each of the questions below to prepare.

Item #1: Complete a fraction equation

$$\frac{4}{17}$$

You should remember that a fraction is a division equation.
*This fraction represents **4 divided by 17**, or 4 ÷ 17.*

Item #2: Understand Fractional Models

*This model represents **5 ÷ 4**.*
Each square represents 1 whole.
5 wholes, each divided into 4 parts.
Each piece is ¼ of the whole.

The fraction that represents the total amount of shaded is 5/4.

5 pieces are shaded, 4 pieces make a whole, so 5/4 is also 1 ¼ .

Item #3: Understand Fractions in a Word Problem

Brooke has 6 brownies to share with 4 friends. She gives each friend an equal share of the brownies. How much does each friend receive?

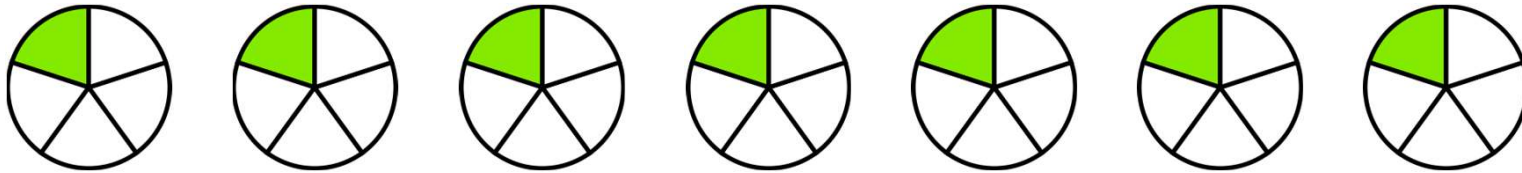$$\frac{6}{4}$$

6 ÷ 4 = 1 2/4 or 1 ½

EACH FRIEND GETS **6/4 BROWNIES** BECAUSE 6 BROWNIES ARE SHARED EQUALLY AMOUNG **4 FRIENDS.**

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There will be 6 questions on this quiz. Practice each of the questions below to prepare.

Item #4: _Draw a fractional model_ for a division equation.

$$7 ÷ 5 = 7/5$$
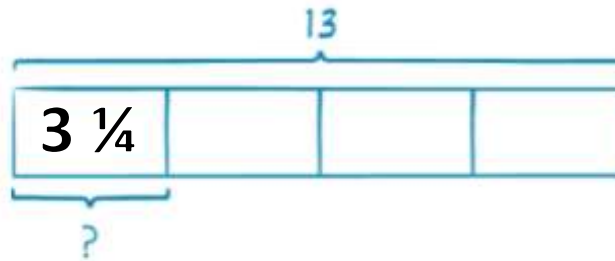

Be able to explain how your model represents the equation.
There are **7 wholes**. Each whole is dived into **5 equal parts**. I shaded **1 fifth** of each whole so that each person gets **7 fifths**.

Item #5: Solve a fraction word problem.

Dorian uses a **15 foot** rope to fix a fence in his yard. He needs to cut the rope into **6 pieces of equal length**. How many inches is each piece of rope going to be?

$$\frac{15}{6} = 2\frac{3}{6} \text{ or } 2\frac{1}{2} \text{ feet}$$

Item #6: Understand a tape diagram of a fraction equation.

This tape diagram shows 13 of something shared equally in 4 groups. Therefore, the division equation is 13/4.

13/4 = 3 ¼
So, each piece represents 3 ¼