

Juan is building a set for the school musical. He has a 3-foot board that he needs to equally divide into $\frac{1}{2}$ -foot pieces. How many pieces will he have after he cuts the board?

- a. Draw and label a model that represents the length of the board.
- b. “Break” the board into 3 sections. How much is each section worth? Label.
- c. Use this model to divide the board equally into $\frac{1}{2}$ foot pieces like the question says.
- d. How many pieces will he have after he cuts the board?
- e. Write a math sentence to represent the math you just did.

Find $4 \div \frac{2}{3}$.

- Rewrite this phrase and fill in the blanks: “We are dividing up _____. We are being asked to find out how many groups of _____ there are in _____.”
- Draw and label a model that represents the whole number “4.”
- “Break” the model into 4 sections. How much is each section worth? Label.
- Now you will need to break each “whole 1” into thirds.
- Use this model to find the answer to what you wrote in section “a”.

Toby bought $\frac{8}{9}$ pound of trail mix from the grocery store. He wants to divide the trail mix into $\frac{2}{9}$ -pound bags. How many bags can Toby make?

- Make a bar diagram that represents the amount of Toby's trail mix. (You will need to divide the bar in _____ sections and then shade in _____ of them.)
- Use this model to divide the trail mix equally into $\frac{2}{9}$ -pound sections like the question says. (Circle each group of $\frac{2}{9}$ in the shaded section.)
- How many smaller bags will he have after he divides up the $\frac{8}{9}$ -pound?
- Write a math sentence to represent the math you just did.

$$\frac{6}{7} \div \frac{2}{7} =$$

- a. Rewrite this phrase and fill in the blanks: “We are dividing up _____. We are being asked to find out how many groups of _____ there are in _____.”
- b. Draw and shade in a model to represent $\frac{6}{7}$.
- c. Circle each group of $\frac{2}{7}$ that you can make.
- d. Use this model to find the answer to what you wrote in section “a”.

Draw a diagram to find the quotient.

$$2 \div \frac{4}{5} =$$

Draw a diagram to find the quotient.

A piece of licorice is to be cut into 10 equal-size pieces. If the length of the piece of licorice is $\frac{2}{3}$ yard, how long will each piece of licorice be?