

Lesson 6-1

Reinforce Understanding

6.1–6.2 • Extra Practice

I can divide with fractions and mixed numbers every way this unit teaches — whole $\div$ unit fraction, fraction $\div$ whole number, fraction $\div$ fraction, and mixed numbers — by using Keep, Change, Flip.

Practice

Complete each exercise. Show the reasoning that supports your answer.

1. The model shows a 3-foot dowel cut into $\frac{1}{6}$ -foot pieces. Which expression does the model represent, and how many pieces are there?

Circle the letter of the best answer. Show how you know.

A 3-Foot Dowel Cut Into $\frac{1}{6}$ -Foot Pieces

- A. $3 \times \frac{1}{6} = \frac{1}{2}$ of a piece
- B. $3 \div \frac{1}{6} = 18$ pieces
- C. $\frac{1}{6} \div 3 = \frac{1}{18}$ of a piece
- D. $3 \div 6 = \frac{1}{2}$ of a piece

Show your work

2. The model shows a 5-foot cable marked into $\frac{1}{2}$ -foot segments. Which expression does the model represent, and how many segments are there?

Circle the letter of the best answer. Show how you know.

A 5-Foot Cable Marked Into $\frac{1}{2}$ -Foot Segments

- A. $5 \times \frac{1}{2} = 2 \frac{1}{2}$ segments
- B. $5 \div \frac{1}{2} = 10$ segments
- C. $\frac{1}{2} \div 5 = \frac{1}{10}$ of a segment
- D. $5 \div 2 = 2 \frac{1}{2}$ segments

Show your work

3. A ribbon that is 4 feet long is cut into pieces that are each $\frac{1}{3}$ foot long. How many pieces are there?

Circle the letter of the best answer. Show how you know.

- A. $\frac{4}{3}$ of a piece
- B. 12 pieces
- C. $\frac{7}{12}$ of a piece
- D. $1 \frac{1}{3}$ pieces

Show your work
