

Directions: Do ALL (A) Questions. Check Your Answers to (A) Questions. If ALL (A) Questions are correct, skip (B) Questions and move onto next "I can" statement. If you get any (A) Questions wrong, MAKE CORRECTIONS and do ALL (B) Questions.

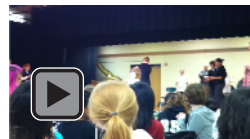
**Simplifying Fractions:**

**A1:**  $\frac{12}{32} =$

**A2:**  $\frac{6}{48} =$

**A3:**  $\frac{21}{27} =$

**A4:**  $\frac{42}{84} =$



**B1:**  $\frac{16}{20} =$

**B2:**  $\frac{9}{36} =$

**B3:**  $\frac{18}{30} =$

**B4:**  $\frac{30}{75} =$

**Mixed Numbers to Improper Fractions:**

**A1:**  $3\frac{2}{7} =$

**A2:**  $1\frac{1}{3} =$

**A3:**  $8\frac{4}{9} =$

**A4:**  $12\frac{2}{5} =$

**B1:**  $2\frac{5}{8} =$

**B2:**  $4\frac{5}{6} =$

**B3:**  $1\frac{1}{4} =$

**B4:**  $15\frac{2}{3} =$

**Improper Fractions to Mixed Numbers in Simplest Form:**

**A1:**  $\frac{12}{10} =$

**A2:**  $\frac{18}{8} =$

**A3:**  $\frac{42}{9} =$

**A4:**  $\frac{28}{4} =$

**B1:**  $\frac{22}{4} =$

**B2:**  $\frac{50}{12} =$

**B3:**  $\frac{24}{9} =$

**B4:**  $\frac{36}{6} =$

**"I Can Multiply Fractions and Simplify my Answer into Simplest Terms."**

<b>A1:</b> $\frac{18}{25} \cdot \frac{15}{20} =$	<b>B1:</b> $\frac{6}{24} \cdot \frac{16}{22} =$
<b>A2:</b> $\left(1\frac{1}{3}\right)^2 =$	<b>B2:</b> $\left(\frac{2}{5}\right)^3 =$
<b>A3:</b> $4\frac{2}{3} \cdot 24 =$	<b>B3:</b> $12 \cdot 1\frac{3}{8} =$
<b>A4:</b> $2\frac{2}{9} \cdot 4\frac{1}{8} =$	<b>B4:</b> $5\frac{3}{5} \cdot 4\frac{2}{7} =$

**"I Can Divide Fractions and Simplify my Answer into Simplest Terms."**

<b>A1:</b> $\frac{18}{12} \div 8 =$	<b>B1:</b> $9 \div \frac{15}{11} =$
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<b>A2:</b> $400 \div 4\frac{4}{9} =$	<b>B2:</b> $5\frac{2}{3} \div 6 =$
<b>A3:</b> $6\frac{1}{4} \div 1\frac{1}{9} =$	<b>B3:</b> $7\frac{1}{5} \div 2\frac{7}{10} =$

**"I Can Solve an Equation that involves Fractions by Using Inverse Operations."**

<b>A1:</b> $8x = 2\frac{2}{3}$	<b>B1:</b> $\frac{4}{5}x = \frac{12}{17}$
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**"I Can Interpret a Real-World Situation and decide which Operation to use to Solve Word Problems involving Multiplication and Division of Fractions."**

**A1:** How many  $\frac{2}{15}$ -meter pieces of wood can you cut from a piece that is  $\frac{2}{3}$ -meter long?

**A2:** Jeremiah goes for a 4 mile walk. After walking  $\frac{5}{6}$  of the way, Jeremiah stops at a store.

How many miles is it from the start of the walk to the store?

**A3:** You have 5 cups of birdseed. You use  $\frac{3}{5}$  cup of birdseed each day. How many days will your birdseed last?

**A4:** A gardening store wants to buy supplies that cost \$500. The store can afford  $\frac{3}{10}$  of the total cost. How much can the store afford?

**A5:** How wide is a floor made from 36 boards that are each  $3\frac{7}{8}$  inches wide?

**A6:** A restaurant is making hamburgers. The cooks use  $\frac{2}{3}$  pounds of beef for each hamburger. If the cooks have  $44\frac{2}{3}$  pounds of beef, how many hamburgers can they make?

**A7:** A town recorded  $2\frac{3}{4}$  in. of rainfall in 6 weeks, with the same amount falling each week. How much rain fell each week?

**A8:** For a project, you cut paper into rectangular strips that are  $4\frac{3}{4}$  inches long by  $\frac{1}{2}$  inch wide. What is the area of each strip of paper?

**A9:** Yesterday, a coffee shop used  $5\frac{2}{3}$  pounds of unflavored coffee. The shop used  $3\frac{1}{2}$  times as much flavored coffee as unflavored. How many pounds of flavored coffee did the shop use?

**A10:** You fill a  $12\frac{3}{4}$  gallon tub  $\frac{1}{9}$  full of water. How many gallons of water are in the tub? Simplify your answer.

**A11:** New workers at a factory require  $9\frac{1}{2}$  hours of training. The workers spend  $\frac{8}{11}$  of the training time in the classroom. For how long are the workers in the classroom?

**A12:** A box of snack size cracker packs weighs  $28\frac{1}{2}$  ounces. Each snack pack weighs  $4\frac{3}{4}$  ounces. How many snack packs are in the box?

**A13:** How many  $\frac{3}{8}$  pound bag of trail mix can be made from  $6\frac{3}{8}$  pounds of trail mix?

**A14:** A recipe for cookies says to use  $3\frac{1}{4}$  cups of flour for every cup of sugar. If you use  $5\frac{1}{3}$  cups of sugar, how much flour should you use?

**A15:** Leonard used  $\frac{2}{7}$  of his paycheck to pay his cell phone bill. If Leonard's paycheck was \$63, how much did he spend on the cell phone bill?

**A16:** The area of a rectangular park is  $\frac{3}{5}$  square mile. The length of the park is  $\frac{7}{8}$  mile. What is the width of the park?

# Unit B: Multiplying and Dividing Fractions Answers

## Simplifying Fractions

<b>A1:</b> $\frac{3}{8}$	<b>A2:</b> $\frac{1}{8}$	<b>A3:</b> $\frac{7}{9}$	<b>A4:</b> $\frac{1}{2}$	<b>Y</b>	<b>N</b>
<b>B1:</b> $\frac{4}{5}$	<b>B2:</b> $\frac{1}{4}$	<b>B3:</b> $\frac{3}{5}$	<b>B4:</b> $\frac{2}{5}$	<b>Y</b>	<b>N</b>

## Mixed Numbers to Improper Fractions

<b>A1:</b> $\frac{23}{7}$	<b>A2:</b> $\frac{4}{3}$	<b>A3:</b> $\frac{76}{9}$	<b>A4:</b> $\frac{62}{5}$	<b>Y</b>	<b>N</b>
<b>B1:</b> $\frac{21}{8}$	<b>B2:</b> $\frac{29}{6}$	<b>B3:</b> $\frac{5}{4}$	<b>B4:</b> $\frac{47}{3}$	<b>Y</b>	<b>N</b>

## Improper Fractions to Mixed Numbers in Simplest Form

<b>A1:</b> $1\frac{1}{5}$	<b>A2:</b> $2\frac{1}{4}$	<b>A3:</b> $4\frac{2}{3}$	<b>A4:</b> 7	<b>Y</b>	<b>N</b>
<b>B1:</b> $5\frac{1}{2}$	<b>B2:</b> $4\frac{1}{6}$	<b>B3:</b> $2\frac{2}{3}$	<b>B4:</b> 6	<b>Y</b>	<b>N</b>

## "I Can Multiply Fractions and Simplify my Answer into Simplest Terms."

<b>A1:</b> $\frac{27}{50}$	<b>Y</b>	<b>N</b>	<b>B1:</b> $\frac{2}{11}$	<b>Y</b>	<b>N</b>
<b>A2:</b> $1\frac{7}{9}$	<b>Y</b>	<b>N</b>	<b>B2:</b> $\frac{8}{125}$	<b>Y</b>	<b>N</b>
<b>A3:</b> 112	<b>Y</b>	<b>N</b>	<b>B3:</b> $16\frac{1}{2}$	<b>Y</b>	<b>N</b>
<b>A4:</b> $9\frac{1}{6}$	<b>Y</b>	<b>N</b>	<b>B4:</b> 24	<b>Y</b>	<b>N</b>



"I Can Divide Fractions and Simplify my Answer into Simplest Terms."

**A1:**  $\frac{3}{16}$

**Y N**

**B1:**  $6\frac{3}{5}$

**Y N**

**A2:** 90

**Y N**

**B2:**  $\frac{17}{18}$

**Y N**

**A3:**  $5\frac{5}{8}$

**Y N**

**B3:**  $2\frac{2}{3}$

**Y N**

"I Can Solve an Equation that involves Fractions by Using Inverse Operations."

**A1:**  $\frac{1}{3}$

**Y N**

**B1:**  $\frac{15}{17}$

**Y N**

"I Can Interpret a Real-World Situation and decide which Operation to use to Solve Word Problems Involving Multiplication and Division of Fractions."

☐  $3\frac{1}{3}$

☐ 18

☐ 67

☐ 5

☐  $2\frac{3}{8}$

☐  $\frac{24}{35}$

☐  $1\frac{5}{12}$

☐  $19\frac{5}{6}$

☐  $8\frac{1}{3}$

☐  $6\frac{10}{11}$

☐  $17\frac{1}{3}$

☐  $\frac{11}{24}$

☐ 150

☐  $139\frac{1}{2}$

☐ 6

☐ 17