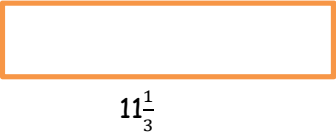


Study Guide - Unit 4: Multiplying & Dividing Fractions

<p>1) Change into an improper fraction:</p> <p>$3\frac{3}{5}$ $8\frac{7}{8}$ $12\frac{9}{11}$</p>	<p>2) Change into a mixed number:</p> <p>$\frac{33}{9}$ $\frac{17}{3}$ $\frac{48}{5}$</p>
<p>3) What is the GCF of 28 and 72.</p>	<p>4) What does it mean if a fraction is in simplest form?</p>
<p>5) Jake has $18\frac{1}{2}$ feet of ribbon. Matt has six times as much ribbon. How much ribbon do Jake and Matt have together?</p>	<p>Answer:</p>
<p>6) Buck has $2\frac{7}{8}$ pounds of cheese. If he divides it evenly with his 2 brothers, how much cheese will each one get?</p>	<p>Answer:</p>
<p>7) Erin wants to run 26 miles this 3-day weekend. She ran $7\frac{1}{4}$ miles on Friday and $12\frac{4}{5}$ on Saturday. How far does she need to run on Sunday to reach her goal?</p>	<p>Answer:</p>
<p>8) Find the area and perimeter of the rectangle.</p>  <p>$8\frac{3}{4}$ $11\frac{1}{3}$</p>	<p>Answer:</p>
<p>9) The directions read: Use the distributive property to find the product of 62 and 8. The student wrote $2(60 + 8)$. Is the student right or wrong and why?</p>	<p>Answer:</p>
<p>10) Twenty-four students tried out for the cheerleading squad. Only $\frac{5}{6}$ of the students will be chosen. How many students will be chosen for the squad?</p>	<p>Answer:</p>

Multiply or divide. Write the answer in simplest form.

11) $\frac{2}{5} \cdot 2\frac{1}{4}$	12) $\frac{3}{7} \cdot \frac{4}{9}$	13) $2\frac{1}{4} \cdot 2\frac{2}{3}$
14) $3\frac{1}{3} \div 1\frac{5}{12} =$	15) $\frac{7}{8} \div 2$	16) $\frac{4}{5} \div \frac{2}{9} =$

17) How much trail mix will each person get if 6 people share $8\frac{3}{4}$ pound of trail mix equally?	Answer:
18) A cook has $12\frac{1}{2}$ pounds of ground beef. He uses $\frac{3}{10}$ pound of ground beef for every bowl of chili he makes. How many bowls of chili can the cook make?	Answer:
19) Four friends share $\frac{2}{3}$ of a cake. How much cake does each friend get?	Answer:

20) 1.08×14.278	21) Find the missing number. $154.17 - \underline{\hspace{2cm}} = 63.491$
22) Find the prime factorization of: 128	23) List the first 15 prime numbers.
24) Explain how to find the reciprocal of $8\frac{1}{4}$? ** Answer on separate paper**	25) Explain the process of dividing fractions. ** Answer on separate paper**
26) $46.85 \div 2.4$	27) $19.051 + 8.54$