

ARE YOU READY FOR THE MATH TEST?

UNIT 3: FRACTIONAL OPERATIONS

Add. Simplify answers if possible.

a) $1\frac{1}{3} + 2\frac{6}{15} + \frac{2}{5}$



Multiply. Simplify answers if possible.

1) $\frac{4}{9} \times \frac{5}{7} =$

2) $\frac{11}{14} \times \frac{7}{22} =$

3) $\frac{36}{7} \times \frac{21}{6} =$

4) $2 \times \frac{5}{13} =$

5) $4\frac{2}{3} \times 1\frac{4}{5} =$

6) $\frac{8}{11} \times 9 \times \frac{22}{72} =$

Solve using the standard algorithm. Simplify your answers if possible.



$$7) 3 \div \frac{3}{8} =$$

$$8) 5 \div \frac{5}{7} =$$

$$9) 4 \div \frac{4}{5} =$$

Divide the following values using the standard algorithm, and draw models to support your answers. Simplify if possible.



10) $\frac{1}{2} \div \frac{3}{8} =$

11) $\frac{2}{3} \div \frac{3}{4} =$

12) $\frac{4}{5} \div \frac{1}{6} =$

Divide the following values. Simplify if possible.



$$13) \quad 3\frac{1}{4} \div 2\frac{3}{8} =$$

$$14) \quad 5 \div 6\frac{5}{7} =$$

$$15) \quad 8\frac{2}{9} \div 2\frac{3}{5}$$

Write a division sentence that matches each scenario.

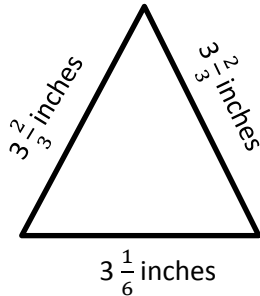


16) How many one-third cup servings are in 6 cups of pecans?

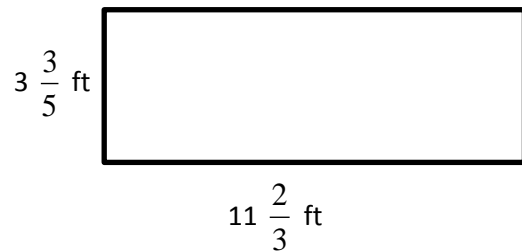
17) A pet store had 4 cats to feed. If they only had two-fifth of a bag of cat food and each cat got the same amount, what fraction of the bag would each cat get?

18) A farmer was dividing up his third-fourth of an acre of land between his 5 children. Since each child got the same amount of land, what fraction of the acre did each get?

19) Solve for perimeter. Label your final answer and put it in simplest form if possible.



20) Solve for Area. Use $A = l \times w$. Label your final answer and put it in simplest form if possible.



21) Solve for Volume. Use $V = l \times w \times h$. Label your final answer and put it in simplest form if possible.

