

STUDY LINK
8•10

Unit Fractions



Finding the worth of the unit fraction will help you solve each problem below.

1. If $\frac{4}{5}$ of a number is 16, what is $\frac{1}{5}$ of the number? _____

What is the number? _____

2. Our football team won $\frac{3}{4}$ of the games that it played.
It won 12 games. How many games did it play? _____

(unit)

3. When a balloon had traveled 800 miles, it had completed $\frac{2}{3}$ of its journey. What was the total length of its trip? _____*

(unit)

4. Grandpa baked cookies. Twenty cookies were oatmeal raisin. The oatmeal raisin cookies represent $\frac{5}{8}$ of all the cookies. How many cookies did Grandpa bake? _____

(unit)

5. Tiana jogged $\frac{6}{8}$ of the way to school in 12 minutes. If she continues at the same speed, how long will her entire jog to school take? _____

(unit)

6. After 35 minutes, Hayden had completed $\frac{7}{10}$ of his math test. If he has a total of 55 minutes to complete the test, do you think he will finish in time? _____

Explain: _____

7. Complete the table using the given rule. 8. Find the rule. Then complete the table.

Rule
out = 60% of in

in	out
100	
60	
	42
110	
	72
35	

Rule
out = _____ of in

in	out
24	9
72	27
56	21
80	30
	15
32	