

FRACTIONAL UNIT RATES

For 1-2, find the unit rate of each situation.

1. If $\frac{3}{4}$ of a gallon of paint covers $\frac{1}{3}$ of the wall, then how much paint is needed to cover the entire wall?

2. At the fabric store, Marisela spends \$6.00 on $\frac{3}{5}$ yards of fabric. How much does one yard of fabric cost?

Use your understanding of unit rates to answer each of the following questions.

3. Students at Polk Middle School are given a fitness test. The results of their tests are shown in the table. Use the table to answer questions a-c.

a. Find the time it takes each student to run 1 mile.

Evian: _____

Toby: _____

Jillian: _____

FITNESS TEST RESULT	
Evian	$1\frac{1}{2}$ miles in 15 minutes
Toby	$\frac{2}{3}$ miles in 6 minutes
Jillian	$\frac{3}{4}$ miles in 9 minutes

b. Which student is running at the fastest rate? Explain.

c. Jillian is trying out for the cross country team. To make the team, she must run $3\frac{1}{2}$ miles in less than 40 minutes. Will Jillian make the team? Explain.

4. Stan makes his own trail mix for hiking adventures. The recipe is shown at the right. He realizes he has exactly 1 cup of raisins in his pantry and wants to use the entire cup in this batch. List the amount of each ingredient Stan should use to keep the ratios of the recipe equivalent.

Chocolate chips: _____

Almonds: _____

