

Name _____

Date _____

Unit Rates and Ratios of Fractions - Independent Practice Worksheet

Complete all the problems. Make sure to draw pictures to help you solve the problems.

1. Ethan writes $\frac{1}{6}$ of a page in $\frac{1}{12}$ of a minute. How much time does it take him to write a full page?



2. William fills $\frac{1}{3}$ of a water bottle in $\frac{1}{6}$ of a minute. How much time will it take him to fill the bottle?



3. Michael plays $\frac{1}{5}$ of a song in $\frac{1}{15}$ of a minute. How much time will it take him to play an entire song?



4. Gabriel used $\frac{1}{3}$ of a liter of milk to make $\frac{1}{9}$ of a jug of tea. How much milk is required to fill the jug?



5. Isaac used $\frac{1}{4}$ of an ounce of nuts to make $\frac{1}{12}$ pound of cake. How many ounces of nuts are needed to make a cake?



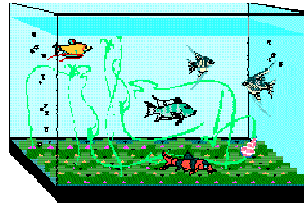
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6. Samuel used $\frac{1}{5}$ of an ounce of butter to make $\frac{1}{15}$ of a pound of jelly. How many ounces of butter are needed to make a pound of jelly?



7. Jacob used $\frac{1}{7}$ of a liter of water to fill $\frac{1}{9}$ of the fish aquarium. How many liters of water are needed to fill the aquarium?



8. Mason used $\frac{1}{6}$ of a gram of honey to make $\frac{1}{12}$ of a pan of pudding. How many grams of honey are needed to make a full pan of pudding?



9. Aiden walked $\frac{1}{8}$ of a mile in $\frac{1}{16}$ of an hour. Compute the unit rate as the complex fraction.



10. Noah eats $\frac{1}{3}$ of an apple in $\frac{1}{6}$ of a minute. How much time will it take him to eat a full apple?

