

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?



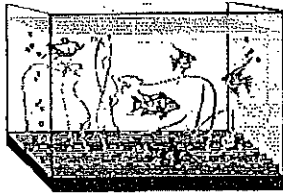
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6. Samuel used  $\frac{1}{5}$  of an ounce of butter to make  $\frac{1}{15}$  of a pound of jelly. How many ounces of butter are needed to make a pound of jelly?



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?

