

**Unit Rates and Ratios of Fractions - Matching Worksheet**

Match the word problems to their answers. Write the letter of the answer that matches the problem. Note: the units have been removed.

- \_\_\_\_\_ 1. Emma drank  $\frac{1}{4}$  of a milk shake in  $\frac{1}{12}$  of a minute. How many minutes will it take her to drink a full milk shake? a.  $3 \frac{1}{2}$
- \_\_\_\_\_ 2. Sophia used  $\frac{1}{3}$  an ounce of cheese to make  $\frac{1}{12}$  of a pound of pizza dough. How many ounces of cheese are needed to make a pound of pizza dough? b.  $\frac{4}{17}$
- \_\_\_\_\_ 3. Addison plays  $\frac{1}{2}$  of a song in  $\frac{1}{8}$  of a minute. How minutes will he need to play a full song? c. 6
- \_\_\_\_\_ 4. Joey fills  $\frac{1}{5}$  of a toffee box in  $\frac{1}{25}$  of a minute. How much time will he take to fill a toffee box? d. 4
- \_\_\_\_\_ 5. Claire power walks  $\frac{1}{9}$  of a mile in  $\frac{1}{54}$  of an hour, compute the unit rate as the complex fraction. e.  $\frac{1}{3}$
- \_\_\_\_\_ 6. Maya reads  $\frac{1}{8}$  of a newspaper in  $\frac{1}{20}$  of a minute. How minutes does she need to read an entire paper? f.  $\frac{1}{4}$
- \_\_\_\_\_ 7. Ellie used  $\frac{1}{6}$  of a liter of water to make  $\frac{1}{21}$  of a casserole. How many liters of <sup>water</sup> does she need to make an entire casserole? g.  $\frac{1}{5}$
- \_\_\_\_\_ 8. Stella writes  $\frac{1}{7}$  of a page in  $\frac{1}{15}$  of a minute. How many minutes does it take her to write a full page? h.  $\frac{2}{5}$
- \_\_\_\_\_ 9. Lillian eats  $\frac{1}{4}$  of a pound of grapes in  $\frac{1}{17}$  of a minute. How many minutes will it take her to eat a full pound of grapes? i.  $\frac{7}{15}$

