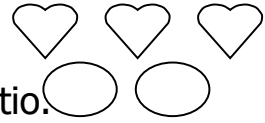


PRACTICE QUIZ: Rates, Ratios, and Unit Analysis

NAME _____



For 1 & 2, use the diagram at the left to identify the given ratio.

1. hearts to circles #1 answer: _____ 2. Total shapes to hearts #2 answer: _____

For 3 & 4, identify each ratio in simplest form. Show your work.

3. 2 min : 30 seconds

4. 32 inches to 8 feet

#3 answer: _____

#4 answer: _____

For 5 & 6, identify each unit rate. Show your work. Don't forget units and please use a horizontal fraction bar!

5. 204 words in 6 min.

6. \$10.00 for 50 cookies

#5 answer: _____

#6 answer: _____

For 7–10, use unit analysis. Show your work. Don't forget units in your answer!

7. 5 yds is how many in?

8. 144 oz is how many lbs?

#7 answer: _____

#8 answer: _____

9. 21 lbs is how many oz?

10. 93 ft is how many yds?

#9 answer: _____

#10 answer: _____

For 11 & 12, use unit analysis to find the equal rate. Show your work. Don't forget units and please use a horizontal — fraction bar!

11. $\frac{10,560 \text{ ft}}{2 \text{ hr}}$ is how many $\frac{\text{mi}}{\text{hr}}$?

#11 answer: _____

12. $\frac{1 \text{ mi}}{4 \text{ min}}$ is how many $\frac{\text{mi}}{\text{hr}}$?

#12 answer: _____