Unit Analysis Home Work Problems   Name: _____

For 1–8, show all of your work for each problem by using HORIZONTAL FRACTION BARS.

1.   4 in is how many cm?   **#1 Answer: _____**

2.   15 cm is how many in?   **#2 Answer: _____**

3.   121 oz is how many cups?   **#3 Answer: _____**

4.   5 mi is how many yds?   **#4 Answer: _____**

5.   30 ft is how many yds?   **#5 Answer: _____**

6.   3.62 m is how many cm?   **#6 Answer: _____**

7.   78 oz is how many lbs?   **#7 Answer: _____**

8. 6 gal is how many qts?   **#8 Answer: _____**

For 9–12, use unit analysis to find the equal rate. Show all of your work for each problem by using HORIZONTAL FRACTION BARS. **Make sure you have the correct UNITS.**

9. $\dfrac{90 \ in}{min}$ is how many $\dfrac{ft}{sec}$?

#9 Answer: _____

10. $\dfrac{\$27}{hr}$ is how many $\dfrac{\$}{min}$?

#10 Answer: _____

11. $\dfrac{12 \ qt}{min}$ is how many $\dfrac{gal}{min}$?

#11 Answer: _____

12. $\dfrac{1 \ mi}{3 \ min}$ is how many $\dfrac{mi}{hr}$?

#12 Answer: _____

13. $\dfrac{1 \ mi}{300 \ sec}$ is how many $\dfrac{mi}{hr}$?

#13 Answer: _____

14. $\dfrac{1 \ qt}{min}$ is how many $\dfrac{gal}{week}$?

#14 Answer: _____