Math 1 Name: _____

Unit 1.0 Measurements

Use these conversions to complete the worksheet.

1 m = 3.28 ft	1 in = 2.54 cm	1 liter = 1.06 qt	1 yd = 91.44 cm
1 pound = 453.6 grams	1 m = 100 cm	1 km = 100,000 cm	1 mi = 5,280 ft
1 gal = 4 qt	1 day = 24 hrs	1 hr = 60 min	1 min = 60 sec
1 pound = 16 ounces	1 yard = 3 feet	1 kl = 1,000 L	1 km = 1,000 m

Convert the given amount to the given unit.

1) 13 days; hours _____

2) 70 ft; yd _____

3) 200 meters; cm _____

4) 6 hr; min _____

5) 14 meters; ft _____

6) 12 in.; cm _____

7) 7 liters; qt _____

8) 2000 cm; yd _____

9) 17 pounds; grams _____

10) 29 km; cm _____

11) 7 mi; ft _____

12. 120 min; s _____

13.   A builder measures the perimeter of a building to be 530 ft. He must
order wood beams to install around the perimeter of the building. Wood must
be ordered in meters. How many meters of wood should the builder order?

14. Mrs. Jacobsen purchased a 5-pound package of ground beef for $12.40. She
decided to use 8 ounces each meal for dinner recipes. What was the cost of
ground beef per meal?

15. Car 1 drove 408 miles in 6 hours and Car 2 drove 365 miles in 5 hours during
the cross-country road race. Who had the fastest average speed?

Complete each statement.

16. 25 mi/hr = _____ m/min

17. 32 mi/gal = _____ km/L

18. 10 m/s = _____ ft/s

19. 14 gal/s = _____ qt/min

20. 3.5 days = _____ min

21. 100 yd = _____ m

22. 15 dollars/hr = _____ cents/min

23. 5 L/s = _____ kL/min

24. 62 in. = _____ m

25. 7 days = _____ s