

Name _____

Metric Measurement: Part 1

Convert.

1. 350 cm = _____ m
2. 9 m = _____ mm
3. 4,000 mL = _____ L
4. 150 g = _____ kg
5. 4.8 km = _____ m
6. 300 mg = _____ g
7. 5,000 mm = _____ cm
8. 5,000 mm = _____ m
9. 5.6 mm = _____ cm
10. 3.2 kg = _____ mg

Compare. Write $<$, $>$, or $=$.

11. 52 L _____ 5,200 mL
12. 6 km _____ 54,000 mm
13. 3 kg _____ 3,000 g
14. 0.142 cm _____ 142 m
15. 20 g _____ 0.2 kg
16. 150 mL _____ 1.5 L
17. 346 cm _____ 3.46 m
18. 872 mL _____ 8.72 L
19. 629 mg _____ 0.000629 kg
20. 584 cm _____ 0.584 m

Solve.

21. Gina and Donald measured the length of the school garden. Gina's measurement is 11.3 meters and Donald's measurement is 113 centimeters. Could both be correct? Explain.

22. Fariba makes 2,800 milliliters of lemonade for a birthday party. She needs 3.5 liters. How many more milliliters does Fariba need to make? How many liters is that?

23. Marvin needs to ship a box that weighs 12,000 grams. How should he move the decimal point to convert this number to kilograms?

- a. 2 places to the right
- b. 3 places to the right
- c. 2 places to the left
- d. 3 places to the left

24. Hazel has 24 meters of rope. How many kilometers of rope does Hazel have?

25. The total weight limit for luggage at the airport is 22 kilograms per person. Ronald packs two suitcases and finds their weights to be 8,500 grams and 9,200 grams. How many more grams can he pack without going over the weight limit?