Name: \_\_\_\_\_ Date: \_\_\_\_\_

Metric Conversions





To use the **Stair-Step method**, you will move the \_\_\_\_\_\_ the direction you have to move on the stairs.

## Write the equivalent measurements:



- 6. 6035 mg = \_\_\_\_\_ hg
- 7. 75 mL = kL
- 8. 6.5 m = \_\_\_\_\_ cm
- 9. 2007 mg = \_\_\_\_\_ g
- 10.480 cm = \_\_\_\_\_ dkm

## Compare the measurements using <, >, or =. \*\*SHOW YOUR WORK\*\*

11.63 cm 6 m	15.1500 mL 1.5 L
12.43 mg 5 g	16. 7 g 698 mg
13.5 g 508 mg	17. 536 cm 53.6 dm
14.3.6 m 36 cm	18.1.1 hL 110 dkL

## Answer the following questions using metric conversions.

- 19. One cereal bar has a mass of 37 g. What is the mass of 6 cereal bars? Is that more or less than 1 kg? Explain your answer.
- 20. Wanda needs to move 110 kg of rocks. She can carry 10 hg each trip. How many trips must she make?
- 21.Dr. O is playing in her garden again. She needs 1 kg of potting soil for her plants. She has 750 g. How much more does she need?
- 22. Will a tablecloth that is 155 cm long cover a table that is 1.6 m long? Explain.
- 23. A dollar bill is 15.6 cm long. If 200 dollar bills were laid end to end, how many meters long would the line be?
- 24. The ceiling in Jan's living room is 2.5 m high. She has a hanging lamp that hangs down 41 cm. Her husband is exactly 2 m tall. Will he hit his head on the hanging lamp? Why or why not?