

Name _____

Date _____

1. Convert and write an equation with an exponent. Use your meter strip when it helps you.

a. 3 meters to centimeters $3 \text{ m} = 300 \text{ cm}$ $3 \times 10^2 = 300$

b. 105 centimeters to meters $105 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$ _____

c. 1.68 meters to centimeters $\underline{\hspace{2cm}} \text{ m} = \underline{\hspace{2cm}} \text{ cm}$ _____

d. 80 centimeters to meters $\underline{\hspace{2cm}} \text{ cm} = \underline{\hspace{2cm}} \text{ m}$ _____

e. 9.2 meters to centimeters $\underline{\hspace{2cm}} \text{ m} = \underline{\hspace{2cm}} \text{ cm}$ _____

f. 4 centimeters to meters $\underline{\hspace{2cm}} \text{ cm} = \underline{\hspace{2cm}} \text{ m}$ _____

g. In the space below, list the letters of the problems where larger units are converted to smaller units.

2. Convert using an equation with an exponent. Use your meter strip when it helps you.

a. 3 meters to millimeters $\underline{\hspace{2cm}} \text{ m} = \underline{\hspace{2cm}} \text{ mm}$ _____

b. 1.2 meters to millimeters $\underline{\hspace{2cm}} \text{ m} = \underline{\hspace{2cm}} \text{ mm}$ _____

c. 1,020 millimeters to meters $\underline{\hspace{2cm}} \text{ mm} = \underline{\hspace{2cm}} \text{ m}$ _____

d. 97 millimeters to meters $\underline{\hspace{2cm}} \text{ mm} = \underline{\hspace{2cm}} \text{ m}$ _____

e. 7.28 meters to millimeters $\underline{\hspace{2cm}} \text{ m} = \underline{\hspace{2cm}} \text{ mm}$ _____

f. 4 millimeters to meters $\underline{\hspace{2cm}} \text{ mm} = \underline{\hspace{2cm}} \text{ m}$ _____

g. In the space below, list the letters of the problems where smaller units are converted to larger units.