

Name : _____

Date: _____



Metric Unit Conversion: **Decimeter and Centimeter**

A. Expanded Form: You can expand measurements .

Example: 3.26 m = 3 m(meter) + 2 dm (decimeter) + 6 cm (centimeter)

- 1) 6.17 m= ____ m + ____ dm + ____ cm
- 2) 0.42 m = ____ m + ____ dm + ____ cm
- 3) 18.45m = ____ m + ____ dm + ____ cm
- 4) 57.99m= ____ m + ____ dm + ____ cm
- 5) 64.82 m= ____ m + ____ dm + ____ cm

B. Conversion

You can convert decimeter to centimeter and centimeter to decimeter.

- I. To covert decimeter to centimeter, multiply by 10. When you change a larger unit to the smaller unit, multiply by 10. If there is a decimal point, move the decimal point one place to **the right**.

Example: 3.2 dm = ____ cm $3.2 \times 10 = \mathbf{32\text{ cm}}$

12 dm = ____ cm $12 \times 10 = \mathbf{120\text{ cm}}$

- 6) 5.7 dm= ____ cm
- 7) 14 dm= ____ cm
- 8) 16.5 dm= ____ cm
- 9) 6.25 dm= ____ cm
- 10) 2.2 dm= ____ cm