

Measuring Length 2

1. Which is a reasonable measurement?

| | | | |
|--|---|---|--|
| a. man's height 240 cm 175 cm 145 cm | b. football field 100 yd 20 yd 5 yd | c. width of a book 50 cm 14 in 6 in | d. length of paper clip 3 cm 8 cm 3 in |
|--|---|---|--|

2. Fill in a suitable unit of length.

- a. A 2-year old child is 78 _____ tall. d. Jane's bedroom is 4 _____ wide.
 b. An adult woman is 65 _____ tall. e. The swimming pool is 20 _____ deep.
 c. A laptop is 13 _____ wide. f. Dad drives 5 _____ to work.

3. Fill in the tables.

| <u>Metric units of length</u> | <u>Customary units of length</u> | <u>How many...</u> |
|---|---|--|
| 10 → millimeter _____ → _____ _____ → decimeter _____ → _____ 1000 → (decameter) _____ → (hectometer) _____ → _____ | 12 → _____ _____ → foot _____ → _____ 1,760 → _____ _____ → _____ | millimeters in a meter? centimeters in a meter? inches in a yard? feet in a mile? |

4. Convert.

- a. 34 in = ___ ft ___ in b. 5 m = _____ cm c. 18 ft 7 in = _____ in
 325 in = ___ ft ___ in 3 km = _____ m 156 ft = ___ yd ___ ft
 d. 491 in = ___ ft ___ in e. 54 cm = _____ mm f. 297 ft = ___ yd ___ ft
 98 in = ___ ft ___ in 7 dm = _____ cm 3 mi 350 yd = _____ yd

5. a. Mary's ten steps measure 5 m 69 cm. How long is one step?
 b. John's ten steps measure 10 ft 6 in. How long is one step?
 c. Greg took exactly 18 steps to cross a 21-foot long room. How long is one step?
 d. How long is your step? Mark a line on the ground or floor. Walk from the line forward steadily 10 (or 5) steps. Mark where you ended, and measure the distance. Then divide by 10 (or 5)!