

## 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 a paper clip 3 cm 8 cm 3 in.
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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>	How many...
10 → millimeter	12 → _____	millimeters in a meter?
_____ → _____	_____ → foot	centimeters in a meter?
_____ → _____	_____ → _____	inches in a yard?
1000 → (decameter)	1,760 → _____	feet in a mile?
_____ → (hectometer)	_____ → _____	

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 stopped, and measure the distance. Then divide by 10 (or 5)!

