

Measurement Lesson 1 & 2 2020

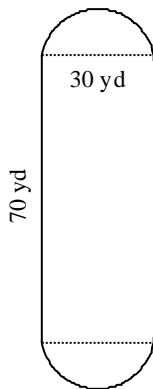
Multiple Choice

Identify the choice that best completes the statement or answers the question.

- ___ 1. Convert 27 yd. to feet.
a. 324 ft. b. 81 ft. c. 2.25 ft. d. 9 ft.
- ___ 2. Convert 9 yd. to inches.
a. 27 in. b. 324 in. c. 45 in. d. 108 in.
- ___ 3. Convert 114 in. to yards, feet, and inches.
a. 6 yd. 0 ft. 3 in. c. 1 yd. 1 ft. 18 in.
b. 3 yd. 0 ft. 6 in. d. 4 yd. 0 ft. 18 in.
- ___ 4. Mike ran 1 mi. in 4 min. On average, how far did he run every 15 s? Give your answer in yards and feet.
a. 110 yd. 0 ft. c. 330 yd. 0 ft.
b. 11 yd. 0 ft. d. 440 yd. 0 ft.
- ___ 5. An indoor lacrosse goal is 4 ft. high. What is this measurement to the nearest tenth of a metre?
a. 1.3 m b. 1.2 m c. 13.3 m d. 12.0 m
- ___ 6. The Skeena River is the second longest river entirely in B.C. It is approximately 354 mi. long. What is this length to the nearest kilometre?
a. 566 km b. 212 km c. 590 km d. 221 km
- ___ 7. Quentin is 5 ft. 1 in. tall. What is his height to the nearest centimetre?
a. 148 cm b. 163 cm c. 153 cm d. 151 cm
- ___ 8. The bobsled track at the Canada Olympic Park in Calgary is 1475 m long. What is this length to the nearest yard?
a. 1613 yd. b. 1659 yd. c. 1328 yd. d. 1362 yd.
- ___ 9. How much wood do you need to form a triangular garden frame if one side of the frame has a length of 8 ft, and the other two sides are 3 feet longer than the first side?
a. 27 ft c. 24 ft
b. 30 ft d. 29 ft
- ___ 10. Convert 3.4 miles into feet.
a. 215 424 feet c. 5984 feet
b. 17 952 feet d. 1995 feet
- ___ 11. A carpenter measures the perimeter of a room to be $56\frac{9}{16}$ ". He needs to buy baseboard to finish the room but the store only sells it by the full metre. How many metres of baseboard will he need to buy?
a. 1730 m c. 18 m
b. 173 m d. 2 m

Short Answer

12. You want to build a fence around your front yard. The yard measures 95 yards long and 55 yards wide. Your house, which is 20 yards wide, runs along the width edge of the fence. You will not need any fencing along the width of the house. How much fencing do you need?
13. Find the distance Lori runs if she completes 8 laps of this track.



14. A local craft store sells ribbon for \$1.48/m. The pattern for Marnie's Halloween costume requires 8 feet of ribbon. How much will it cost Marnie to buy the ribbon?

Problem

15. A nautical mile is approximately 6080 ft. Convert 5 nautical miles to the nearest tenth of a kilometre.
16. In track and field, the 440-yd. race was replaced with the 400-m race when Canada changed from the imperial system to the SI system. Which race is longer and by how much? Use the exact conversion: 1 yd. = 91.44 cm
17. Your kitchen measures 4 m by 3 m. You would like to install tiles that are 8" by 8".
 - a) Calculate the length and width of the tiles in centimetres.
 - b) Calculate the area of each tile in cm^2 .
 - c) Find how many tiles you need to cover the kitchen floor.
 - d) If the tiles come in packages of 26 that cost \$23.59 each, how much will it cost to tile the floor?

