

Measurement Review

Multiple Choice

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

_____ 1. How many inches is 9'10"?

- | | |
|---------|---------|
| a. 116" | c. 129" |
| b. 118" | d. 228" |

_____ 2. Convert 4.8 miles into feet.

- | | |
|-----------------|----------------|
| a. 304 128 feet | c. 25 344 feet |
| b. 2816 feet | d. 8448 feet |

_____ 3. Convert 2.6 miles into feet.

- | | |
|----------------|-----------------|
| a. 1525 feet | c. 164 736 feet |
| b. 13 728 feet | d. 4576 feet |

_____ 4. Convert 64 041 inches into miles. Round to 1 decimal place.

- | | |
|--------------|--------------|
| a. 1.2 miles | c. 1.0 miles |
| b. 0.8 miles | d. 3.0 miles |

_____ 5. If 17 km is equal to 10.56 miles, how many kilometres are in a mile? Round to 1 decimal place.

- | | |
|-----------|-----------|
| a. 0.6 km | c. 6.4 km |
| b. 1.6 km | d. 2.1 km |

Short Answer

1. You want to build a fence around your front yard. The yard measures 95 yards long and 50 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?

2. A circular garden has a diameter of 10 yards. Chrysanthemums need to be planted a minimum of 3 ft apart. How many chrysanthemums can be planted along the circumference?

3. An American tourist is wondering how far it is from Saskatoon, SK to Edmonton, AB. You know that it is approximately 525 km. How far would you tell the tourist it is, in imperial units?

4. a) Convert 550 cm to inches.

- b) Convert your answer for a) to feet and inches. Round your answer to the nearest inch.

4. Charlie drove for 3 hours at 80 km/h.

a) How far did he travel in kilometres?

b) How far did he travel in miles? Calculate the distance to the nearest mile.

6. Your kitchen measures 4 m by 3 m. You would like to install tiles that are 10" by 10".

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 23 that cost \$23.49 each, how much will it cost to tile the floor?