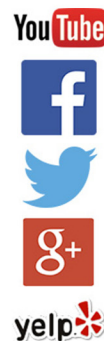




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Conversions: Speed, Area, Volume Quiz

- A. A family drives 6 hours and 15 minutes to arrive at a vacation getaway located 625 km away from their home. Determine their average speed with units of mph.
- B. A company wants to sell small, medium, and large size pizzas that have a diameter of 10 in, 12 in, and 14 in, respectively. If the company determines a small pizza should cost \$8.99, what price should be set for the medium and large pizzas?
- C. A parent wishes to paint the walls of a bedroom. The dimensions of the bedroom are 12 ft x 14 ft with an 8 ft ceiling height. Estimate the area to be painted with units of m^2 .
- D. Determine the volume and surface area of three different size balls:
 $R = 3$ cm, $R = 6$ cm, $R = 9$ cm.
- E. Copper is ductile. Determine the length of 16 gauge ($R = 0.0254$ in) wire that can be made from a 3 in cube of copper. Express your answer in units of meters.