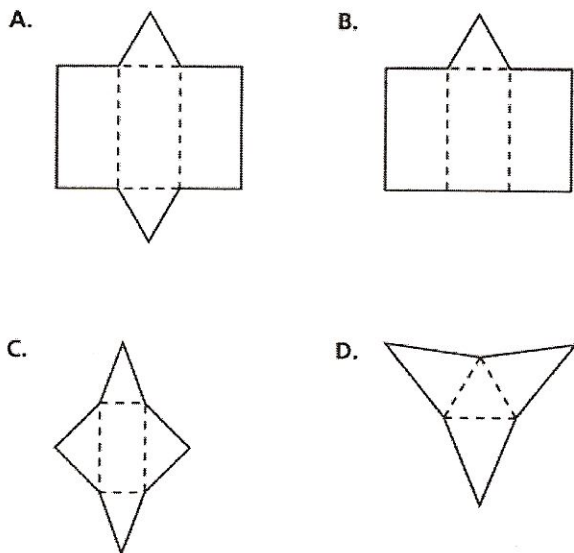


17. Albert knows that the probability of being assigned homework in his first-period class is 40%. He knows that the probability of being assigned homework in his second-period class is 25%. What is the probability that Albert will be assigned homework in both classes?

- A. 10%
- B. 15%
- C. 35%
- D. 65%

18. Which figure is the net of a rectangular pyramid?

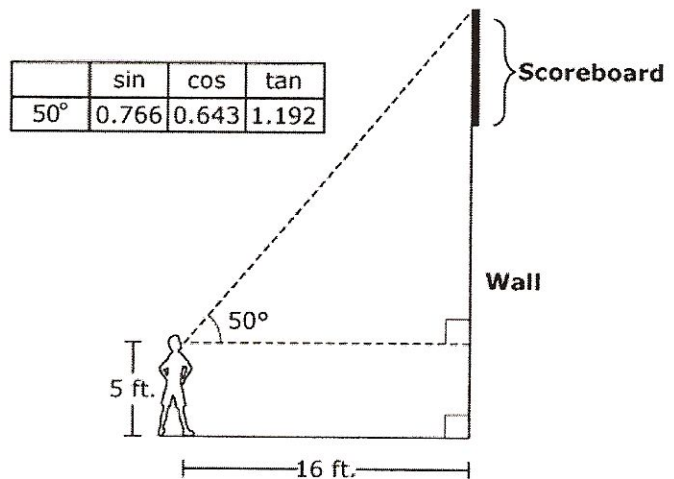


19. Javier has a bag that contains 1 blue tile, 1 red tile, 1 yellow tile, and 1 green tile. He picks 1 tile from the bag 3 times, replacing the tile each time. What is the probability that he picks the blue tile exactly 2 times?

- A. $\frac{1}{64}$
- B. $\frac{3}{64}$
- C. $\frac{9}{64}$
- D. $\frac{2}{3}$

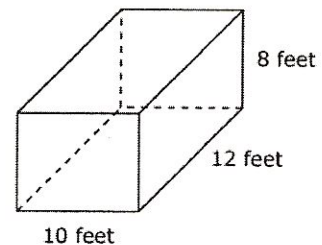
20. Marta is creating a scale drawing of a triangular park. The actual sides of the park measure 111 m, 222 m, and 280 m. She starts drawing her map by sketching 2 sides of a triangle measuring 111 mm and 222 mm. The third side of the park should be represented by a 280 mm long line, but when Marta measures the third side on her map, it is only 200 mm. What should she have done before drawing the sides of the park on her map?

- A. Measured the sides more carefully
- B. Used a different scale to make the triangle fit
- C. Used the measure of the angle between the first 2 sides of the park and drawn an angle congruent to that angle between the first 2 sides on her map.
- D. Used the measure of the angle between the first 2 sides of the park and drawn an angle proportional to the ratio of the scale drawing between the first 2 sides on her map



21. Latisha stands 16 feet from a wall where a scoreboard hangs. From 5 feet above the floor, the angle of elevation to the top of the scoreboard is 50°. To the nearest tenth of a foot, how far above the floor is the top of the scoreboard?

- A. 15.3 feet
- B. 17.3 feet
- C. 19.1 feet
- D. 24.1 feet



22. What is the surface area of the rectangular prism?

- A. 296 square feet
- B. 352 square feet
- C. 592 square feet
- D. 960 square feet