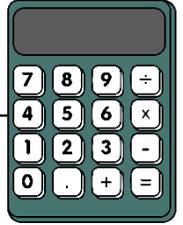


Name: _____ Date: _____



5.8 – Area, Perimeter, and Volume

1. To determine the amount of peanuts a bag will hold, Tony needs to find the –

- A. area
- B. length
- C. volume
- D. perimeter

2. To determine the amount of carpet to cover the floor, Kim needs to find the –

- A. area
- B. length
- C. volume
- D. perimeter

3. To determine the amount of fence Cameron needs to build around a garden, he needs to find the –

- A. area
- B. length
- C. volume
- D. perimeter

4. Perimeter is used to find the –

- A. distance from a ceiling to the floor
- B. amount of blacktop on a playground
- C. amount of floor space covered by a carpet
- D. distance around the edge of a swimming pool

5. Area is used to find the –

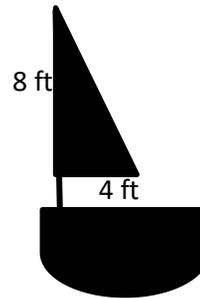
- A. distance from a ceiling to the floor
- B. amount of blacktop on a playground
- C. amount of space inside of dresser drawer
- D. distance around the edge of a swimming pool

6. Volume is used to find the –

- A. distance from a ceiling to the floor
- B. amount of blacktop on a playground
- C. amount of space inside of dresser drawer
- D. distance around the edge of a swimming pool

7. Bethany want to make a sail for a boat. The sail is a right triangle with a base of 4 feet and a height of 8 feet. How much fabric is needed to make the sail?

- A. 12 square feet
- B. 16 square feet
- C. 24 square feet
- D. 32 square feet



8. Marvin wants to paint a rectangular wall. The wall has a length of 5 feet and a width of 10 feet. What is the total area that Marvin wants to paint?

- A. 15 square feet
- B. 25 square feet
- C. 30 square feet
- D. 50 square feet

9. Pablo has a fabric napkin that is a right triangle. The base of the triangle is 6 inches and the height is 10 inches. What is the area of the napkin?

- A. 15 square inches
- B. 30 square inches
- C. 60 square inches
- D. 120 square inches

10. Marilyn is putting a fence around a square garden. The length of one side of the garden is 9 feet. How much fencing is needed for the garden?

A. 18 feet

B. 36 feet

C. 42 feet

D. 81 feet

11. Jim is filling a fish tank with water. The fish tank is 12 inches wide, 18 inches tall, and 30 inches long. How much water can fill the fish tank?

_____ cubic inches

12. Henry is covering a floor with carpet. The floor is 15 feet wide and 12 feet long. How much carpet is needed to cover the floor?

_____ square feet