**Math 7** Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
**Accuracy Grade** Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**REVIEW**

1. What is the circumference of a circle?
2. What is the diameter of a circle?
3. Explain the difference between the radius and diameter of a circle.
4. What is the formula for finding the surface area of a rectangular prism?
5. What is the perimeter of a figure?
6. What is the area of a figure?
7. What is the volume of a solid?



1. What is the volume of the triangular prism?

26

22

30

1. A pizza has an area of 254.34 in². What is the minimum size of a placemat that can be placed underneath it so that the pizza does not touch the table? Use 3.14 for pi.
2. Steve and Sara are running around a circular track in the park. The diameter of the track is 0.6 miles. If they ran twice around the track, how many miles will they have ran?
3. The top of the Washington Monument is a square pyramid covered with white marble. Each triangular face is 48 feet tall and 44 feet wide. About how many square feet of marble covers the top of the monument if the base is hollow?
4. Find the area of the triangle below.



32.5 inches

15 inches

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| A. | 49.5 in  | B. | 80 in2 | C. | 60 in2 | D. | 172 in2 |

1. Find the surface area of the rectangular prism shown below.

6 in

3 in

4 in

8 in

7 in

10 in

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| A. | 52 in² | B. | 412 in² | C. | 299 in² | D. | 206 in² |

**Draw a picture and solve**.

14. A garden is circular. The diameter of the garden is 10 feet. Find the area of the garden.

15. A pizza has a diameter of 30 centimeters. What is the circumference of the pizza?

16. A round window has a circumference of 37.68 inches. What is the radius of the window?

17. A rectangular gym has a width of 20 feet and a length of 50 feet. How many feet would you travel if you walked around the gym 4 times?