

- 1) A swimming pool was 9 meters wide with a surface area of 90 meters squared. What is the length of the pool?
- 2) A square barn has a perimeter of 28 meters. How long is each side of the barn?
- 3) The perimeter of a rectangle rug is 32 yards. If the width of the rug is 8 yards, what is the length of the rug?
- 4) A square bedroom has a perimeter of 120 feet. How long is each side?
- 5) A square kitchen has a perimeter of 100 yards. How long is each side?
- 6) Lester has a small garden that is 8 feet long by 10 feet wide. What is the length of fencing he needs for his entire garden?
- 7) A picture frame is 8 feet high and 5 feet wide. What is the area?
- 8) The radius of a dinner plate is 5 inches. What is the circumference? Round to the nearest whole number.
- 9) The dimensions of an apple juice box are as follows: 4.0 cm by 6.3 cm by 10 cm. What is the volume of the box? Round the answer to the nearest whole number.
- 10) Find the width of a rectangle whose perimeter is 44.8 cm and whose length is 18.1 cm.
- 11) Find the length of the side of a square whose perimeter is 28.8m.
- 12) Find the area of a rectangle whose length is 16 cm and width is 15 cm.
- 13) Find the width of a rectangle whose area is 107.2 cm squared and whose width is 13.4 cm.
- 14) Find the length of a rectangle whose width is 18 yards and whose area is 414 yards squared.
- 15) Find the area of a triangle whose base is 12 inches and height is 20 inches.
- 16) Find the area of a triangle whose base is 10 inches and whose height is 9 inches.
- 17) Find the height of a triangle whose area is 104 cm squared and whose base is 16 cm.
- 18) Find the height of a triangle whose base is 40 meters and whose area is 560 meters squared.
- 19) Find the base of a triangle whose area is 2.4 cm squared and whose height is 1.6 cm.
- 20) Find the area of a trapezoid whose height is 4 cm and whose bases measure 11 and 7 cm.
- 21) Find the area of a trapezoid whose bases are 40 cm and 62 cm and whose height is 34 cm.
- 22) Find the circumference of a circle whose diameter is 3 m.
- 23) Find the circumference of a circle whose diameter is 22 cm.
- 24) Find the circumference of a circle whose radius is 21 m.

- 25) Find the circumference of a circle whose radius is 12 cm.
- 26) Find the diameter of a circle whose circumference is 37.68 cm.
- 27) Find the diameter of a circle whose circumference is 28.26 cm.
- 28) Find the area of a circle whose radius is 4 cm.
- 29) Find the area of a circle whose radius is 7 cm.
- 30) Find the radius of a circle whose area is 12.56 cm<sup>2</sup>.
- 31) Find the radius of a circle whose area is 200.96 cm<sup>2</sup>.
- 32) Find the radius of a circle whose area is 50.24 cm<sup>2</sup>.

**GIVE EACH ANSWER IN TERMS OF PI**

- 33) Circumference of a circle whose radius is 5
- 34) Area of a circle whose radius is 9
- 35) Area of a circle whose radius is 6
- 36) Area of a circle whose diameter is 12
- 37) Area of a circle whose diameter is 30
- 38) Circumference of a circle whose radius is 7
- 39) Circumference of a circle whose radius is 20

**VOLUME PROBLEMS**

- 40) Base = 14 m                      height = 4 m    Height of prism = 10 m
- 41) Base = 8m                      height = 3m                      height of prism = 8m
- 42) Find the volume of a cube with an edge of 9 cm
- 43) Find the volume of a cube with an edge of 2.1 cm
- 44) The volume of a rectangular prism is 480 cm<sup>3</sup>. Find its length if the width is 8 cm and the height is 4 cm.