For problems 1 – 5, find the perimeter. Make sure to include the unit of measure (ft, in, yd, cm, mm, miles, etc).

1) P=______

2) P=______

3) P=______

4) P=______

5) P=______

6) P=______

7) P=______

8) P=______

9) P=______
A **square unit** is just a square that is one unit by one unit. For example:

- **square centimeter**
  
  ![square centimeter diagram]

  
  \[ 1 \text{ cm} \times 1 \text{ cm} = 1 \text{ cm}^2 \]

- **square inch**
  
  ![square inch diagram]

  
  \[ 1 \text{ in} \times 1 \text{ in} = 1 \text{ in}^2 \]

When we ask for the AREA of a shape, we are asking how many squares fit inside the shape.

Find the area of the following shapes. Make sure to include the unit of measure (\( \text{ft}^2, \text{in}^2, \text{yd}^2, \text{cm}^2, \text{mm}^2, \text{mi}^2 \), etc).

10) \( A = \)_____

11) \( A = \)_____

12) \( A = \)_____

13) \( A = \)_____
A **cubic unit** is just a cube that is one by one by one. For example:

**cubic centimeter**

![cubic centimeter diagram]

**cubic inch**

![cubic inch diagram]

When we ask for the VOLUME of a shape, we are asking how many cubes fit inside the shape.

Find the volume of the following shapes. Make sure to include the unit of measure (ft³, in³, yd³, cm³, mm³, mi³, etc).

14) A=_____ 
15) A=_____ 
16) A=_____ 
17) A=_____
Perimeter, Area, and Volume

For problems 1 – 5, find the perimeter. Make sure to include the unit of measure (ft, in, yd, cm, mm, miles, etc).

1) \(P = 46 \text{ ft}\)  
   \(20 \text{ ft} \quad 3 \text{ ft} \quad 20 \text{ ft}\)

2) \(P = 21 \text{ yd}\)  
   \(8 \text{ yd} \quad 8 \text{ yd} \quad 4 \text{ ft} \quad 9 \text{ ft}\)

3) \(P = 26 \text{ ft}\)  
   \(9 \text{ ft} \quad 4 \text{ ft} \quad 9 \text{ ft} \quad 3 \text{ ft} \quad 3 \text{ ft} \)

4) \(P = 52 \text{ cm}\)  
   \(13 \text{ cm} \quad 13 \text{ cm} \quad 13 \text{ cm} \quad 13 \text{ cm}\)

5) \(P = 30 \text{ in}\)  
   \(7 \text{ in} \quad 5 \text{ in} \quad 3 \text{ in} \quad 4 \text{ in} \quad 1 \text{ in} \quad 4 \text{ in} \)

6) \(P = 12 \text{ mi}\)  
   \(5 \text{ miles} \quad 3 \text{ miles} \quad 4 \text{ miles}\)

7) \(P = 63 \text{ mm}\)  
   \(8 \text{ mm} \quad 18 \text{ mm} \quad 8 \text{ mm} \quad 18 \text{ mm} \quad 11 \text{ mm}\)

8) \(P = 75 \text{ in}\)  
   \(15 \text{ in} \quad 16 \text{ cm} \quad 16 \text{ cm} \quad 10 \text{ cm} \quad 16 \text{ cm}\)

9) \(P = 55 \text{ cm}\)  
   \(13 \text{ cm} \quad 13 \text{ cm} \quad 16 \text{ cm} \quad 16 \text{ cm} \quad 10 \text{ cm}\)
A **square unit** is just a square that is one unit by one unit. For example:

- **square centimeter**
  - 1 cm x 1 cm = 1 cm²
- **square inch**
  - 1 in x 1 in = 1 in²

When we ask for the **AREA** of a shape, we are asking how many squares fit inside the shape.

Find the area of the following shapes. Make sure to include the unit of measure (ft², in², yd², cm², mm², mi², etc).

10) A= **40 sq. ft.**

11) A= **44 sq. mi.**

12) A= **25 sq. mi.**

13) A= **40.5 sq. yd.**
A **cubic unit** is just a cube that is one by one by one. For example:

**cubic centimeter**

![Image of a cubic centimeter]

1 cm  
1 cm  
1 cm  

**cubic inch**

![Image of a cubic inch]

1 inch  
1 inch  
1 inch  

When we ask for the VOLUME of a shape, we are asking how many cubes fit inside the shape.

Find the volume of the following shapes. Make sure to include the unit of measure (ft³, in³, yd³, cm³, mm³, mi³, etc).

14) A= **12 cubic cm**

15) A= **40 cubic in**

16) A= **8 cubic ft**

17) A= **5 cubic mm**