**Find the unknown sides or the angles in the questions below, using the classification of polygons.

1.** The triangle ABC is equilateral and angle A = 60$°$:

**C**

**B**

**A**

 **Angle B = \_\_\_\_\_\_\_\_\_\_\_ ; Angle C = \_\_\_\_\_\_\_\_\_\_\_**

 **2.** The square JKLM is a rhombus and JK = 4 cm:

**M**

**L**

**K**

**J**

**LM = \_\_\_\_\_\_\_\_\_\_\_ ; Angle K = \_\_\_\_\_\_\_\_\_\_\_

3.** The parallelogram ABCD has angle A = 80°, angle B = 100°, angle = 80°:

**D**

**C**

**B**

**A**

**Angle D = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4.** An isosceles triangle DEF with angle D = 90°, angle E = 45°:

 **Angle F = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Match the columns:**

|  |  |
| --- | --- |
|  | **Trapezium** |
|  | **Hexagon** |
|  | **Parallelogram** |
|  | **Right triangle** |
|  | **Isosceles triangle** |
|  | **Rhombus** |
|  | **Pentagon** |
|  | **Rectangle** |

**Find the sum of interior angles for each polygon mentioned:

1. Heptagon 2. Dodecagon**

 **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**3. Nonagon 4. Pentagon**

 **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Find the number of sides in each case, given the sum of interior angles:

1. Angle Sum = 1620°

 n = \_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**2. Angle Sum = 720°

 n = \_\_\_\_\_\_\_\_\_\_\_\_\_\_**

 **Find the unknown sides or the angles in the questions below, using the classification of polygons.

1.** The triangle ABC is equilateral and angle A = 60$°$:

**C**

**B**

**A**

 **Angle B = \_\_\_\_\_\_60**$°$**\_\_\_\_\_ ; Angle C = \_\_\_\_\_60**$°$**\_\_\_\_\_\_**

 **2.** The square JKLM is a rhombus and JK = 4 cm:

**M**

**L**

**K**

**J**

**LM = \_\_\_\_\_\_4 cm\_\_\_\_\_ ; Angle K = \_\_\_\_\_90**$°$**\_\_\_\_\_\_

3.** The parallelogram ABCD has angle A = 80°, angle B = 100°, angle = 80°:

**D**

**C**

**B**

**A**

**Angle D = \_\_\_\_\_\_\_\_\_80**$°$**\_\_\_\_\_\_\_

4.** An isosceles triangle DEF with angle D = 90°, angle E = 45°:

 **Angle F = \_\_\_\_\_\_\_\_45**$°$**\_\_\_\_\_\_\_\_**

**Match the columns:**

|  |  |
| --- | --- |
|  | **Trapezium** |
|  | **Hexagon** |
|  | **Parallelogram** |
|  | **Right triangle** |
|  | **Isosceles triangle** |
|  | **Rhombus** |
|  | **Pentagon** |
|  | **Rectangle** |

**Find the sum of interior angles for each polygon mentioned:

1. Heptagon 2. Dodecagon**

 **\_\_\_\_\_\_\_\_900**$°$**\_\_\_\_\_\_\_ \_\_\_\_\_\_1800**$°$**\_\_\_\_\_\_\_\_\_**

**3. Nonagon 4. Pentagon**

 **\_\_\_\_\_\_\_1260**$°$**\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_540**$°$**\_\_\_\_\_\_\_

Find the number of sides in each case, given the sum of interior angles:

1. Angle Sum = 1620°

 n = \_\_\_\_\_\_9\_\_\_\_\_\_\_\_**

**2. Angle Sum = 720°

 n = \_\_\_\_\_\_\_6\_\_\_\_\_\_\_**