

VASISHTHA GENESIS SCHOOL, BARDOLI

(Academic Session: 2025-26)

Date: _____ Class: 6 Div: _____ Roll No: _____ Sub: Maths

Name: _____ Objective Worksheet
(ch-8,14,16,19)

Q1. Choose the correct option and answer the following questions:

i. An arc is a part of the following?

- (a) Ray (b) Line segment (c) Triangle (d) **circle**

ii. A _____ is a parallelogram with each angle as a right angle.

- (a) **rectangle** (b) circle (c) trapezium (d) none of these

iii. A _____ divides a triangle into equal parts

- (a) exterior region (b) **median** (c) vertex (d) none of these

iv. We usually bisect the angle of _____ to construct the angle of 15° .

- (a) 35° (b) **30°** (c) 60° (d) 90°

v. Which of the following can be drawn on a piece of paper?

- (a) Ray (b) line (c) **Line segment** (d) Plane

vi. While bisecting an angle of 150° , we get each angle of measure _____.

- (a) 45° (b) 70° (c) **75°** (d) 105°

vii. A triangle having side of 6cm, 7cm and 5.5 cm is known as _____ triangle.

- (a) Equilateral (b) Isosceles (c) **Scalene** (d) Acute

viii. A triangle in which one of the angles is more than 90° and other two are acute is called a/an _____ angled triangle.

- (a) right (b) acute (c) straight (d) **obtuse**

ix. A triangle in which one of the angles is exactly 90° and other two are acute is called a/an _____ angled triangle.

- (a) **right** (b) acute (c) straight (d) obtuse

x. A triangle in which all three angles are acute is called a/an _____ angled triangle.

- (a) right (b) **acute** (c) straight (d) obtuse

xi. Hypotenuse is _____ side of the right angled triangle.

- (a) Shortest (b) **longest** (c) equal (d) none

xii. The sum of angles of a triangle is _____.

- (a) 60° (b) 360° (c) 90° (d) **180°**

xiii. The diagonals of a rhombus bisect each other at _____ angles.

xxiii. 72.003 _____ 72.0035.

- (a) < (b) > (c) = (d) None

xxiv. Decimal is denoted by a _____

- (a) comma (b) semi-column (c) **point** (d) equal

xxv. Convert the given fraction $\frac{4}{50}$ into decimal form.

- (a) 0.8 (b) **0.08** (c) 0.0008 (d) 0.008

xxvi. Convert the given fraction $\frac{5}{8}$ into decimal form.

- (a) **0.625** (b) 0. 675 (c) 0.652 (d) 0.635

xxvii. Convert the given fraction $\frac{5}{4}$ into decimal form.

- (a) 0.125 (b) 1.205 (c) 12.5 (d) **1.25**

xxviii. The difference of the given decimals is $200 - 176.11$ is

- (a) **23.89** (b) 23.98 (c) 32.98 (d) 32.89

xxix. Identify the Thousandths place in 3.3297

- (a) 3 (b) 7 (c) 2 (d) **9**

Q2. Fill in the blanks:

- i. End points of the **diameter** of a circle divide it into two semicircles.
- ii. The distance moved around a circle once is called its perimeter or **circumference**.
- iii. A **sector** is a region in the interior of the circle enclosed by the arc and a chord a pair of radii.
- iv. A **triangle** is a polygon having three sides. It is usually named by vertices, taken in clockwise or anticlockwise.
- v. The diameter is the longest **chord** of a circle.
- vi. 28 grams = **0.028** kg.
- vii. **One** circle can be drawn from one radius.
- viii. A triangle has **6** parts, **3** sides and **3** angles.
- ix. The line segment joining the mid-point of a side to the opposite vertex in a triangle is called the **median**.
- x. The boundary together with interior of a triangle is called the **triangular** region.
- xi. A triangle having one obtuse angle with 2 equal sides is **obtuse-isosceles triangle**.
- xii. A triangle having all acute angles with all different sides is **acute-scalene triangle**.
- xiii. The diagonal of a rhombus bisect each other at **right** angle.
- xiv. Each angle of equilateral triangle measure **60°**.
- xv. The angles opposite to equal sides of an isosceles triangle are **equal**.
- xvi. **square** is a parallelogram in which adjacent sides are equal and diagonals are also equal.

- xv. **Rectangle** is a parallelogram in which adjacent sides are not equal but the diagonals are also equal.
- xvi. **Rhombus** is a parallelogram in which all sides are equal but the diagonals are not equal.
- xvii. A quadrilateral in which all sides and all angles are equal is known as **square**.
- xviii. The expanded form of 324.67 will be **$300 + 20 + 4 + 0.6 + 0.07$** .
- xix. A **diameter** is a chord passing through the centre of the circle.
- xx. The **circumference** is the total length of a circle.
- xxi. A **segment** is a region in the interior of the circle enclosed by the an arc and a chord.
- xxii. Decimals having the same number of decimal places are called **like** decimals.
- xxiii. Every decimal can be written as a **fraction**.
- xxiv. Six thousandths can be written as **0.006**
- xxv. The place value of a place decreases by **10** times, when moving from left to right in place value chart.
- xxvi. 42.003 in words will be **forty two point zero zero three**.
- xxvii. 3 kg 125 g = **3.125** kg.
- xxviii. 3 L 45 mL = **3.045 L**.

Q3. State whether the given statement is True or False:

- | | |
|---|---------------------|
| i. A quadrilateral is a polygon. | <u>True</u> |
| ii. Only two circles can be drawn from one center and different radius. | <u>False</u> |
| iii. The radius of the circle , whose diameter is 10 cm is 5cm. | <u>True</u> |
| iv. Using ruler we can draw an angle. | <u>False</u> |
| v. If two lines are perpendicular, then the angles formed by them are 180° . | <u>False</u> |
| vi. The diagonals of a rhombus are equal. | <u>False</u> |
| vii. The diagonals of a rectangle are perpendicular to each other. | <u>False</u> |
| viii. The diagonals of a parallelogram are equal. | <u>False</u> |
| ix. The opposite angles of a parallelogram is equal. | <u>True</u> |
| x. Diameter = 2 x radius. | <u>True</u> |
| xi. The diameter is the longest chord of a circle. | <u>True</u> |
| xii. 0.2 is the same as 0.200. | <u>True</u> |
| xiii. $3 + \frac{5}{100} + \frac{3}{1000} = 3.53$ | <u>False</u> |