

VASISHTHA GENESIS SCHOOL, BARDOLI

(Academic Session: 2025-26)

Date: _____ **Class:** 6 **Div:** _____ **Roll No:** _____ **Sub:** Maths
Name: _____ **Worksheet (PT-2)**

Objective based Worksheet

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

i. The sum of two consecutive odd numbers is always divisible by _____.

- (a) 6 (b) 3 (c) 4 (d) 10

ii. The first five multiples of 25 are _____.

- (a) 25,50,75,100, 125 (b) 75,100, 125,150,175
(c) 25, 100, 125, 200, 225 (d) 150,175,200,225,250

iii. The prime factors of 16 are _____.

- (a) 4×4 (b) 2×8 (c) $2 \times 2 \times 2 \times 2$ (d) 16×1

iv. Number _____ is neither prime nor composite.

- (a) 0 (b) 2 (c) 1 (d) 3

v. Two numbers having only 1 as a common factor are called _____ numbers.

- (a) prime (b) co-prime (c) composite (d) Twin prime

vi. _____ prime numbers whose difference is 2 are called twin primes.

- (a) Two (b) Three (c) One (d) Four

vii. The smallest even prime number is _____.

- (a) 2 (b) 3 (c) 4 (d) 6

viii. A _____ of a number is exact divisor of that number.

- (a) twin prime (b) multiple (c) factor (d) none

ix. Product of two numbers is =_____.

- (a) HCF (b) LCM (c) $HCF \times LCM$ (d) $HCF + LCM$

x. A number with more than two factors is called a _____ number.

- (a) prime (b) natural (c) whole (d) composite

xi. There are _____ faces in square pyramid.

(a) 5

(b) 4

(c) 8

(d) 9

xii. A _____ is a solid with two identical polygonal bases and rectangular lateral faces.

(a) Prism

(b) Pyramid

(c) Vertex

(d) Edge

xiii. The side faces of a pyramid is called its _____ faces.

(a) lateral

(b) diagonal

(c) square

(d) none

xiv. Number of times, a particular observation occurs in a data is called the _____ of the observation.

(a) Graph

(b) frequency

(c) number

(d) none

xv. If the bars are drawn on the horizontal line, then the scale of heights of the bars is shown along the _____ line.

(a) vertical

(b) horizontal

(c) slanting

(d) none

xvi. An observation occurring _____ times in a data is recorded as ~~||||~~ |||| I, using tally marks.

(a) 17

(b) 12

(c) 21

(d) 11

xvii. A _____ is a pictorial representation of numerical data in the form of rectangles of equal width _____ and of different heights.

(a) Tally Mark

(b) Pictograph

(c) Bar Graph

(d)

Pie chart

xviii. _____ obtained in the original form is called raw data.

(a) Raw Data

(b) Data

(c) frequency

(d) none

xix. The other name of square prism is _____.

(a) Cube

(b) Cuboid

(c) Tetrahedron

(d) none

xx. _____ solid shape has no verties?

(a) Cone

(b) Cylinder

(c) Cube

(d) prism

Q2. Fill in the blanks:

- i. The data collected directly from the source is known as raw data.
- ii. The data collected from any external source is called secondary data.
- iii. Information collected in the form of numbers with some definite purpose is called data.
- iv. Data can be arranged in a tabular form using tally marks.
- v. A net is a 2D figure that can be folded to form a solid
- vi. The pentagonal pyramid has 6 faces, 6 vertices and 10 edges.
- vii. There are 8 prime numbers between 1 and 20.
- viii. The HCF of 4 and 16 is 4.
- ix. The LCM of 8 and 12 is 24.
- x. Every composite number has a unique prime factorisation.
- xi. A number is divisible by 6, if it is divisible by both 2 and 3.
- xii. A number is divisible by 5 , if its last digit is 0 or 5.
- xiii. The HCF of two co-prime numbers is 1.
- xiv. The 4th multiple of 20 is 80.
- xv. A number is divisible by 10 , if the last digit of the number is zero.
- xvi. The pyramid whose base is a square is called a square pyramid.
- xvii. A circular pipe is an example of a cylinder.
- xviii. A cuboid is also a prism with bases as rectangles.
- xix. A cuboid in which length, width and height are equal is called a cube.

xx. A cone looks like the cap of a circus clown.

xxi. The smallest number that must be added to an odd number to make it even is 1.

xxii. There are 25 prime numbers from 1 to 100.

xxiii. If a number is divisible by 14, then it is always divisible by both 2 and 7.

xxiv. The study of numerical data through the pictures and figures is known as picto graph.

xxv. Number of times , a particular observation occurs in a data is called the frequency of the observation.

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

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|---|--------------|
| i. Every even number except 2 is a composite number. | True |
| ii. A number which is a multiple of 2 is called an even number. | True |
| iii. Two numbers whose HCF is 1, are called prime numbers. | False |
| iv. A cube has 8 faces. | False |
| v. A 2D figure has three dimensions. | False |
| vi. There can be only one net for a solid. | False |
| vii. A basketball is an example of a sphere. | True |
| viii. A cylinder has a curved surface and three circular faces. | False |
| ix. Sugar cube is an example of a cuboid. | False |
| x. The smallest prime number is 1. | False |
| xi. A number is divisible by 2 , if its last digit is even. | True |
| xii. The prime factors of 24 are 2 x 6 x 2. | False |
| xiii. HCF stand for Greatest common divisor. | True |
| xiv. The 5 th multiple of 20 is 100. | True |
| xv. Cube has curved surface. | False |