

**CLASS – VI Mathematics (Knowing our Numbers)**  
**Worksheet-01**

**Choose correct option in questions 1 to 7.**

1. Which is greatest?
  - a. 234
  - b. 543
  - c. 657
  - d. 456
2. Which is smallest?
  - a. 4567
  - b. 3456
  - c. 2345
  - d. 1234
3. What is  $100 - 1$ ?
  - a. 9
  - b. 99
  - c. 999
  - d. 9999
4. What is the place value of 5 in '4567'?
  - a. 50
  - b. 5
  - c. 500
  - d. 5000
5. What is the sum of 567 and 843?
  - a. 567
  - b. 843
  - c. 1410
  - d. 1500
6. The greatest four digit number using 3, 0, 5, 4 without repetition is
  - a. 3054
  - b. 4035
  - c. 5403
  - d. 5043
7. 1 crore = \_\_\_\_\_ million
  - a. 10
  - b. 100
  - c. 1000
  - d. 1

**Fill in the blanks:**

8. Number name of 45678 is \_\_\_\_\_.
9. Place value of 4 in '56743' is \_\_\_\_\_.
10. Expanded form of 6549 is \_\_\_\_\_.
11. Number name of 756432 in international system of numeration is \_\_\_\_\_.

**Answer the following:**

12. A box contains 5,00,000 medicine tablets each weighing 50 mg. What is the total weight of all the tablets in the box in grams and in kilograms?
13. Population of Shivaji park was 2,35,471 in the year 2002. In the year 2012 it was found to be increased by 72,958. What was the population of the city in 2012?
14. The town newspaper is published every day. One copy has 12 pages. Everyday 12,000 copies are printed. How many total pages are printed every day?
15. Find the difference between the greatest and the least number that can be written using the digits 6, 2, 8, 5, 4 each only once.
16. The distance between the school and the house of Shreya is 1 km 375m. Every day she walks both the ways. Find the total distance covered by her in five days.
17. Give a rough estimate by rounding off to nearest hundreds:
  - a.  $12904 + 2888$
  - b.  $8325 - 4317$
  - c.  $5281 \times 592$
18. Write in Roman numerals:
  - a. 69
  - b. 98

**CLASS – VI Mathematics (Knowing our Numbers)**

**Worksheet-2**

**Choose correct option in questions 1 to 5.**

1.  $23456$  \_\_\_\_  $78945$ 
  - a. >
  - b. <
  - c. =
  - d. none of these
2.  $5678$  \_\_\_\_  $6754$ 
  - a. <
  - b. >
  - c. =
  - d. none of these
3. What is  $10000 - 1$ ?
  - a. 9
  - b. 99
  - c. 999
  - d. 9999
4. What is the product of place value and face value of 5 in '4567'?
  - a. 50
  - b. 5
  - c. 500
  - d. 2500

5. What is the product of 784 and 300?
- 235200
  - 253200
  - 230000
  - 210000

**Fill in the blanks:**

6. Number name of 2834567 in Indian system of numeration is \_\_\_\_\_.
7. Place value of 9 in '796745' is \_\_\_\_\_.
8. Expanded form of 2345678 is \_\_\_\_\_.
9. Number name of 6789053 in international system of numeration is \_\_\_\_\_.

**Answer the following:**

10. Starting from the smallest 8-digit number, write the next five numbers in ascending order.
11. Write 8945673 using commas in Indian as well as International System of Numeration.
12. The number of sheets of paper available for making notebooks is 25,000. Each sheet makes 12 pages of a notebook. Each notebook contains 300 pages. How many notebooks can be made from the paper available?

**CLASS – VI Mathematics (Whole Numbers)**  
**Worksheet-3**

**Choose correct option in questions 1 to 7.**

1. What is the predecessor of 3456?
- 3455
  - 3454
  - 3453
  - 3452
2. What is the successor of 678?
- 677
  - 679
  - 680
  - 681
3. 430 \_\_\_\_ 403
- >
  - <
  - =
  - none of these
4. 12345 \_\_\_\_\_ 45678
- >
  - <
  - =
  - none of these

5. What is  $9 \times 3$ ?
- 21
  - 27
  - 6
  - 12
6. The whole number \_\_\_\_\_ has no predecessor.
- 0
  - 1
  - 2
  - none of these
7. Which of the following will not represent zero?
- $1 + 0$
  - $0 \times 0$
  - $\frac{0}{2}$
  - $\frac{10 - 10}{2}$

**Fill in the blanks:**

6. If the product of two whole numbers is zero, then \_\_\_\_\_ of them will be zero.
7. Every natural number except \_\_\_\_\_ has a predecessor.
8. If we add the number \_\_\_\_\_ to the collection of natural numbers, we get the collection of whole numbers.
9.  $7 \times 4 =$  \_\_\_\_\_

**Answer the following:**

10. You are traveling at a constant speed of 55 miles per hour. How long will it take to travel 220 miles?
11. Every classroom in a school contains 32 students. How many students would 5 classrooms hold?
12. A book contains 365 pages. You are currently on page 123. How much more do you have to read?
13. Find the sum by suitable rearrangement:  $837 + 208 + 363$ .
14. Find the product by suitable rearrangement:  $2 \times 1768 \times 50$ .

**CLASS – VI Mathematics (Whole Numbers)**  
**Worksheet-4**

**Choose correct option in questions 1 to 5.**

1. What is the predecessor of 1678?
- 1677
  - 1676
  - 1675
  - 1674

2. What is the successor of 456?

- a. 455
- b. 457
- c. 458
- d. 454

3.  $460$  \_\_\_\_  $406$

- a.  $>$
- b.  $<$
- c.  $=$
- d. none of these

4.  $3456$  \_\_\_\_  $4356$

- a.  $>$
- b.  $<$
- c.  $=$
- d. none of these

5. What is  $7 - 5$ ?

- a. 1
- b. 2
- c. 3
- d. 4

**Fill in the blanks:**

6. All natural numbers are \_\_\_\_\_ numbers.

7. 600 is the successor of \_\_\_\_\_.

8. A number remains unchanged when multiplied to \_\_\_\_\_.

9.  $7 \times 3 =$  \_\_\_\_\_

**Answer the following:**

10. A taxi driver filled his car petrol tank with 40 litres of petrol on Monday. The next day, he filled the tank with 50 litres of petrol. If the petrol costs Rs 45 per litre, how much did he spend in all on petrol?

11. If the product of two whole numbers is 1, can we say that one or both of them will be 1? Justify through examples.

12. Find:

- a.  $12 \times 35$
- b.  $34 \times 99$

13. Find the value using suitable properties:  $52465 \times 93 + 7 \times 52465$ .

14. Find the product using suitable properties:  $854 \times 103$ .

15. Match the following:

i.  $425 \times 136 = 425 \times (6 + 30 + 100)$

ii.  $2 \times 49 \times 50 = 2 \times 50 \times 49$

iii.  $80 + 2005 + 20 = 80 + 20 + 2005$

a. Commutativity under multiplication

b. Commutativity under addition

c. Distributivity of multiplication over addition

**CLASS – VI Mathematics (Playing with Numbers)**  
**Worksheet-5**

**Choose correct option in questions 1 to 10.**

1. \_\_\_\_\_ is the factor of 50.
  - a. 10
  - b. 3
  - c. 7
  - d. 6
2. Sixth multiple of 11 is \_\_\_\_\_.
  - a. 55
  - b. 66
  - c. 77
  - d. 88
3. Which of them is a prime number?
  - a. 27
  - b. 21
  - c. 23
  - d. 25
4. Which of them is a composite number?
  - a. 23
  - b. 29
  - c. 31
  - d. 33
5. \_\_\_\_\_ is a factor of every number.
  - a. 1
  - b. 2
  - c. 3
  - d. 4
6. The number of multiples of a given number is
  - a. 1
  - b. 10
  - c. 100
  - d. infinite
7. The only even prime number is
  - a. 2
  - b. 4
  - c. 6
  - d. 8
8. The smallest composite number is
  - a. 4
  - b. 1
  - c. 9
  - d. 6

9. The smallest odd composite number is

- a. 5
- b. 15
- c. 9
- d. 3

10. Two numbers having only 1 as a common factor are called \_\_\_\_\_ numbers.

- a. co-prime numbers
- b. twin prime numbers
- c. composite numbers
- d. prime numbers.

**Fill in the blanks:**

11. Every multiple of a given number is greater than or equal to that \_\_\_\_\_.

12. The number \_\_\_\_\_ is the smallest prime number and is even.

13. HCF of 12 and 16 is \_\_\_\_\_.

14. First three multiples of 10 are \_\_\_\_\_.

**Answer the following:**

15. Find the least number which when divided by 12, 16, 24 and 36 leaves a remainder 7 in each case.

16. In a morning walk, three persons step off together. Their steps measure 80 cm, 85 cm and 90 cm respectively. What is the minimum distance each should walk so that all can cover the same distance in complete steps?

17. Find the LCM of the following numbers:

- a. 9 and 4
- b. 6 and 5

**CLASS – VI Mathematics (Playing with Numbers)**

**Worksheet-6**

**Choose correct option in questions 1 to 11.**

1. \_\_\_\_\_ is the factor of 81.

- a. 9
- b. 8
- c. 7
- d. 5

2. Fifth multiple of 9 is \_\_\_\_\_.

- a. 54
- b. 45
- c. 36
- d. 27

3. Which of them is not a prime number?

- a. 7
- b. 11
- c. 10
- d. 13

4. Which of them is not a composite number?
- 14
  - 16
  - 8
  - 13
5. Two numbers having only \_\_\_\_\_ as a common factor are called co-prime numbers.
- 1
  - 2
  - 3
  - 4
6. The HCF of two consecutive numbers is
- 0
  - 1
  - 2
  - 3
7. The HCF of two consecutive odd numbers is
- 3
  - 2
  - 1
  - 0
8. The HCF of two consecutive even numbers is
- 0
  - 1
  - 2
  - 3
9. The HCF of two co-prime numbers is
- 0
  - 3
  - 2
  - 1
10. The LCM of two consecutive numbers is
- their sum
  - their product
  - their difference
  - none of these
11. The LCM of two co-prime numbers is
- their sum
  - their product
  - their difference
  - none of these

**Fill in the blanks:**

12. If two given numbers are divisible by a number, then their \_\_\_\_\_ are also divisible by that number.
13. A number is divisible by \_\_\_\_\_, if it is divisible by both 3 and 6.
14. HCF of 8 and 12 is \_\_\_\_\_.

15. First two multiples of 9 are \_\_\_\_\_.

**Answer the following:**

16. Sort out even and odd numbers: 43, 48, 61, 69, 80, 155, 332, 264, 89, 19, 76, 125, 64

17. Match the items in column I and column II.

COLUMN –I

(i)45

(ii)15

(iii)24

(iv)20

(v)35

COLUMN –II

(A) multiple of 3

(B) factor of 40

(C) multiple of 7

(D) factor of 30

(E) multiple of 9

18. Find the multiples of 7 which is greater than 56 but less than 77.

19. Find the HCF of 70, 105, 175.

20. Determine the smallest three digit number which is exactly divisible by 6, 8 and 12.

21. Is 70169308 divisible by 11 (use divisibility test).

22. Find the prime factorization of 980.

23. Express 53 as the sum of three odd primes.

24. Write seven consecutive composite numbers less than 100 so that there is no prime number between them.

25. The length, breadth and height of a room are 825cm, 675cm and 450cm respectively. Find the longest tape which can measure the three dimensions of the room exactly.

**CLASS – VI Mathematics (Integers)**  
**Worksheet-7**

**Choose correct option in questions 1 to 10.**

1. Subtract (-6) from (-11).

a. -5

b. 5

c. -17

d. 17

2. Write the integer which is 3 more than 5.

a. -8

b. 8

c. 2

d. -2

3. Write the integer which is 4 more than -1.

a. 5

b. -5

c. 3

d. -3

4.  $(-9) + (+13) =$  \_\_\_\_\_

- a. -22
- b. 22
- c. -4
- d. 4

5.  $(+12) + (-7) =$  \_\_\_\_\_

- a. 5
- b. -5
- c. -19
- d. 19

6. Write with appropriate sign:  $15^{\circ}\text{C}$  below  $0^{\circ}\text{C}$  temperature

- a. -15
- b. 15
- c. 5
- d. -5

7.  $-1$  \_\_\_\_\_  $0$

- a.  $>$
- b.  $<$
- c.  $=$
- d. none of these

8.  $-5$  \_\_\_\_\_  $-7$

- a.  $=$
- b.  $<$
- c.  $>$
- d. none of these

9. Sum of  $(-9)$  and  $15$ .

- a. -24
- b. 24
- c. -6
- d. 6

10. Subtract  $(-12)$  from  $7$ .

- a. 19
- b. -19
- c. -5
- d. 5

**Fill in the blanks:**

11.  $13 +$  \_\_\_\_\_  $= 0$

12.  $-1, -2, -3, -4, \dots$  called negative numbers are \_\_\_\_\_ integers.

13. One less than given number gives \_\_\_\_\_.

14. When two negative integers are added, we get a \_\_\_\_\_ integer.

**Answer the following:**

15. Find the value of  $(30) + (-23) + (-63) + (+55)$ .
16. Add without using number line:
- a.  $(-10) + (+19)$
- b.  $(-250) + (+150)$
17. Which integers lie between  $-10$  and  $-5$ ?
18. Fill in the blanks with  $>$ ,  $<$  or  $=$  sign.
- a.  $(-3) + (-6)$  \_\_\_\_\_  $(-3) - (-6)$
- b.  $(-21) - (-10)$  \_\_\_\_\_  $(-31) + (-11)$

**CLASS – VI Mathematics (Integers)**  
**Worksheet-8**

**Choose correct option in questions 1 to 5.**

1. What is opposite of '50 km of south'?
- a. 50 km of north
- b. 50 km of east
- c. 50 km of west
- d. none of these
2. Which is the right form of integer '20°C above 0°C'?
- a. -20
- b. 20
- c. -30
- d. 30
3. Which number is to the right of the other on the number line? 0, -1
- a. 0 is on the left of 1
- b. 0 is on the right of 1
- c. 0 is on the right of -1
- d. 0 is on the left of -1
4.  $(-11) + (-12) =$  \_\_\_\_\_
- a. -1
- b. 23
- c. 1
- d. -23
5.  $(-4) + (+3) =$  \_\_\_\_\_
- a. -1
- b. 1
- c. -7
- d. 7

**Fill in the blanks:**

6. Every positive integer is larger than every \_\_\_\_\_ integer.
7. Farther a number from zero on the right, \_\_\_\_\_ is its value.
8. \_\_\_\_\_ is less than every positive integer.
9.  $-26$  is \_\_\_\_\_ than  $-25$ .
10.  $(-24) +$  \_\_\_\_\_  $= 0$

11.  $-8$  \_\_\_\_\_  $-16$   
12. The subtraction of an integer is the same as the addition of its \_\_\_\_\_.  
13. The collection of \_\_\_\_\_ can be written as...,  $-5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5...$

**Answer the following:**

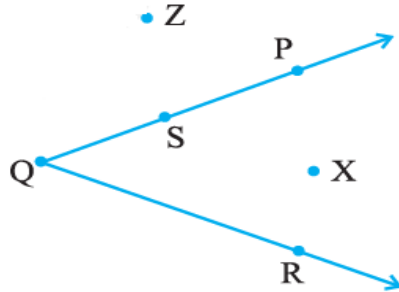
14. Which integers lie between  $-6$  and  $-1$ ? Which is the largest integer and the smallest integer among them?  
15. Represent the following numbers as integers with appropriate signs.  
a. A submarine is moving at a depth, eight hundred metre below the sea level.  
b. A deposit of rupees two hundred.  
16. Write the following numbers with appropriate signs:  
a. 150 m below sea level.  
b.  $30^{\circ}\text{C}$  above  $0^{\circ}\text{C}$  temperature.  
17. Compare the following pairs of numbers using  $>$  or  $<$ .  
a.  $0$  \_\_\_\_\_  $-15$   
b.  $-13$  \_\_\_\_\_  $13$   
18. Which integers lie between  $-8$  and  $-2$ ?

**CLASS – VI Mathematics (Basic Geometrical Ideas)**  
**Worksheet-9**

**Choose correct option in questions 1 to 8.**

1. Which of them is not a line segment?  
a. an edge of a box  
b. a tube light  
c. the edge of a post card  
d. rail lines  
2. Which of them is a ray?  
a. an edge of a box  
b. sun rays  
c. the edge of a post card  
d. rail lines  
3. A figure is a \_\_\_\_\_ if it is a simple closed figure made up entirely of line segments.  
a. line  
b. line segment  
c. polygon  
d. ray  
4. An \_\_\_\_\_ is made up of two rays starting from a common end point.  
a. line  
b. line segment  
c. ray  
d. angle

5. Point S is \_\_\_\_\_.
- on the angle
  - in the interior of the angle
  - in the exterior of the angle
  - none of these



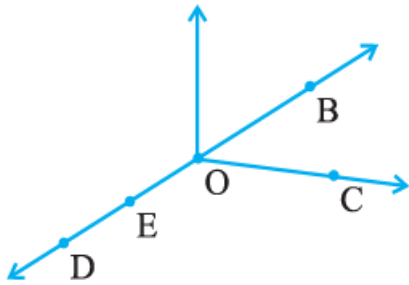
6. The intersection of three walls of a room is an example of
- intersecting lines
  - parallel lines
  - concurrent lines
  - none of these
7. In the environment, a nail fixed in the wall is an example of
- a point
  - point of concurrence
  - point of intersection
  - none of these
8. In the environment a railway track is an example of
- intersecting lines
  - parallel lines
  - concurrent lines
  - none of these

**Fill in the blanks:**

- The meeting point of a pair of sides is called a \_\_\_\_\_.
- The distance around the circle is the \_\_\_\_\_.
- A \_\_\_\_\_ contains a countless number of points.
- The line segments forming a polygon are called its \_\_\_\_\_.

**Answer the following:**

- What are vertices and sides of an angle?
- Use the figure to name five line segments.



15. What is a triangle and a quadrilateral?  
16. How many lines can pass through  
a. one given point  
b. two given points

**CLASS – VI Mathematics (Basic Geometrical Ideas)**  
**Worksheet-10**

**Choose correct option in questions 1 to 10.**

1. How many end points a line segment have?  
a. 2  
b. 3  
c. 4  
d. 5
2. How many end points a line have?  
a. 1  
b. 0  
c. 2  
d. 3
3. How many end points a ray have?  
a. 0  
b. 2  
c. 1  
d. 3
4. The end points of the same side of a polygon are called the \_\_\_\_\_ vertices.  
a. same  
b. parallel  
c. different  
d. adjacent
5. \_\_\_\_\_ are made when corners are formed.  
a. angles  
b. line  
c. ray  
d. line segment

6. How many points are enough to fix a line?  
a. 1  
b. 2  
c. 3  
d. 4
7. How many vertices are there in a triangle?  
a. 1  
b. 2  
c. 3  
d. 4
8. How many angles are there in a quadrilateral?  
a. 1  
b. 2  
c. 3  
d. 4
9. How many pairs of adjacent sides are there in a quadrilateral?  
a. 1  
b. 2  
c. 3  
d. 4
10. A line has  
a. two ends  
b. one end  
c. no end  
d. none of these

**Fill in the blanks:**

11. A point determines a \_\_\_\_\_.
12. A \_\_\_\_\_ extends indefinitely in both directions.
13. A \_\_\_\_\_ is a portion of a line.
14. If a curve does not cross itself, then it is called a \_\_\_\_\_ curve.

**Answer the following:**

15. What are vertices and sides of a polygon?
16. What is a semi-circle?
17. What is a triangle and a quadrilateral?
18. Draw a rough sketch of a quadrilateral ABCD. How many diagonals it has? Are they necessarily equal?
19. Take three non collinear points P, Q and R. Join PQ, QR and PR. What figure did you get? Also name the side opposite to  $\angle Q$ .
20. Say true or false:  
a. The centre of a circle is always in its interior.  
b. Two diameters of a circle will necessarily intersect.  
c. Every chord of a circle is also a diameter of it.

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