

## MULTIPLE CHOICE QUESTIONS

### CLASS VI

#### TOPIC: KNOWING OUR NUMBERS

TIME: 30 MINUTES

TOTAL QUESTIONS=40

1. Identify the greatest and the smallest in 2853 , 7691 , 9999 , 12002 , 124  
(a) 12002,124      (b) 9999,124      (c) 7691,124      (d) 2853,124
2. Which pair has same digits at hundreds place  
(a) 4232,4331      (b) 2334,2340      (c) 6524,7823      (d) 5432,6922
3. Using digits 4,5,6&0 without repetition make the greatest four digit number  
(a) 4560      (b) 5640      (c) 6540      (d) 6504
4. Using digits 0,1,2,3 without repetition make the smallest four digit number  
(a) 0123      (b) 1023      (c) 1230      (d) 1032
5. Make the greatest four digit number by using any one digit twice by 3,8,7  
(a) 3387      (b) 8378      (c) 8873      (d) 8773
6. Make the smallest four digit number by using any one digit twice by 0,4,9  
(a) 0049      (b) 4009      (c) 0449      (d) 4049
7. Make the greatest and the smallest four digit number using any four-digits number with digit 5 always at thousand place  
(a) 5986 , 5012      (b) 5987,5012      (c) 5999, 5000      (d) 5789,5120
8. Correct ascending order of 847,9754,8320, 571  
(a) 571,8320,847,9754      (b) 571,847,8320,9754  
(c) 9754,847,8320,571      (d) 9754,8320,847,571
9. Correct descending order of 5000,7500,85400,7861is  
(a) 5000,7500,85400,7861      (b)85400,7500,7861,5000  
(c) 85400,7861,7500,5000      (d) 7861,7500,7861,5000
10. (i) Ascending order means arrangement from the smallest to the greatest  
(ii) Ascending order means arrangement from the greatest to the smallest  
(iii) Descending order means arrangement from the greatest to the smallest  
(iv) Descending order means arrangement from the smallest to the greatest  
(a) All statements are true      (b) All statements are false  
(c) Only statements (i) & (iii) are true      (d) Only statements (ii) & (iv) are true

11. When one is added to the greatest four digit number what is the result?  
(a) Greatest 5 digit number      (b) Smallest 5 digit number  
(c) Greatest 4 digit number      (d) Smallest 4 digit number
12. Which is greatest and smallest 4 digit number.  
(a) 10000,9999      (b) 1000,99999      (c) 9999,1000      (d) 9999,10000
13. When 1 is subtracted from smallest 5 digit number what is the result?  
(a) Smallest 4 digit number      (b) Greatest 4 digit number  
(c) Greatest 5 digit number      (d) Smallest 5 digit number
14. Expand the number 500428  
(a) Five crore four hundred thirty eight      (b) fifty lakh four hundred twenty eight  
(c) five lakh four hundred twenty eight      (d) five lakh four hundred eight.
15. If we add 1 more to the greatest 6 digit number we get  
(a) ten lakh      (b) one lakh      (c) ten lakh one      (d) one lakh one
16. The smallest 8 digit number is called .  
(a) one lakh      (b) one crore      (c) ten lakh      (d) ten crore
17. One crore is similar to .  
(a) hundred thousand      (b) 100 lakhs      (c) 10 hundreds      (d) 1000 hundreds
18. Write the numeral for the number Nine crore five lakh fourty one.  
(a) 9,50,00,041      (b) 9,05,00,041      (c) 9,05,041      (d) 9,500,041
19. 1 million is equal to how many lakhs  
(a) 1      (b) 10      (c) 100      (d) 1000
20. Insert, commas suitably according to Indian system of numeration in 98432701.  
(a) 9,84,32,701      (b) 98432701      (c) 98432701      (d) 98432701.
21. Insert, commas suitably according to International system of numeration in 99985102  
(a) 99985102      (b) 99985102      (c) 99985102      (d) 99985102
22. How many centimeters make a meter.  
(a) 1      (b) 10      (c) 100      (d) 1000
23. How many millimeter make one kilometer.  
(a) 1000      (b) 10,000      (c) 100,000      (d) 10,00,000

24. A box contains 500000 medicine tablets each winging 10 mg. what is the total weight of all the tablets in the box in kilograms  
(a) 5,00,000 (b) 50,000 (c) 5kg (d) 500kg
25. What is the difference between the greatest and the least number that can be written using the digits 6, 2,7,4,3, each only once  
(a) 50000 (b) 52965 (c) 52865 (d) 51965
26. Population of sundernagar was 235471 in the year 1991. In the year 2001 it was found to be increased by 72598. What was the population of the city 2001  
(a) 308429 (b) 309429 (c) 30428 (d) 30328
27. The town news paper is published everyday . One copy has 12 pages . Every day 11980 copies are printed. How many total pages are printed everyday  
(a) 153760 (b) 143760 (c) 163760 (d) 143660
28. In a basket there are two thousand kg apples , 340 kg oranges, and 20 kg grapes, what is the total weight of fruits?  
(a) 2840 (b) 2850 (c) 2870 (d) 2860
29. What must be subtracted from 11010101 to get 2635967.  
(a) 934134 (b) 7383414 (c) 8374134 (d) 937414
30. The difference between the face value and place value of 4 in 2416 is .  
(a) 404 (b) 396 (c) 3000 (d) 2996
31. The symbol M in roman numeral stands for:  
(a) 100 (b) 500 (c) 1000 (d) 50
32. Which of the following is meaning less.  
(a) XIII (b) XIX (c) XVV (d) XL
33. For 500 which symbol is used in Roman system  
(a) L (b) C (c) M (d) D
34. In the international system of numeration we write one billion for  
(a) 1 crore (b) 10 crore (c) 100 crore (d) 1000 crore
35. Estimation of the quotient  $86 \div 9$  to nearest 10  
(a) 90 (b) 10 (c) 80 (d) none of these
36. When 1787 is rounded off to nearest tens , we get  
(a) 1790 (b) 1780 (c) 1700 (d) 1800
37. The sum of the number 765432 and the number obtained by reversing its digit is  
(a) 930865 (b) 980356 (c) 999999 (d) 999998

38. The corresponding numeral for

$$5 \times 100000 + 8 \times 10000 + 1 \times 1000 + 6 \times 100 + 2 \times 10 + 3 \times 1 \text{ is}$$

- (a) 581623                      (b) 5081623                      (c) 5810623                      (d) 5816023

39. The expanded form for 308927 is

- (a)  $3000000 + 8000 + 900 + 20 + 7$                       (b)  $300000 + 800 + 90 + 2 + 7$   
(c)  $30000 + 80000 + 9000 + 20 + 7$                       (d)  $300000 + 8000 + 900 + 20 + 7$

40. Estimate  $734 + 998$  by rounding off the nearest tens

- (a) 1730                      (b) 1740                      (c) 1750                      (d) 1760
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**TOPIC – KNOWING OUR NUMBERS**

**ANSWER KEY**

Q. No.	Answer	Q. No.	Answer	Q. No.	Answer	Q. No.	Answer	Q. No.	Answer
1	a	9	c	17	b	25	b	33	d
2	b	10	c	18	b	26	a	34	c
3	c	11	b	19	b	27	b	35	b
4	b	12	c	20	c	28	d	36	a
5	c	13	b	21	b	29	c	37	c
6	b	14	c	22	c	30	b	38	a
7	b	15	a	23	d	31	c	39	d
8	b	16	b	24	c	32	c	40	a

**TOPIC : KNOWING OUR NUMBERS**

**ANALYSIS**

QUESTIONS	TALLY MARKS	CONCEPTS
14,16,17,18,19,20,21,34,		Writing Numerals in Indian and International system
1,8,9,10,12,13		Comparing numbers / Ascending , Descending order
3,4,5,6,7,11,15,25		Formation of numbers with given digits
2,30,38,39		Place value, Face value , Expansion
22,23,24		Conversion
26,27,28,29,37		Operations on numbers
31,32,33		Roman Numerals
35,36,40		Estimation

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## MULTIPLE CHOICE QUESTIONS

### CLASS VI

#### TOPIC: WHOLE NUMBERS

TIME: 30 MINUTES

TOTAL QUESTIONS=40

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1. What is the predecessor of 17

- (a) 16                      (b) 18                      (c) 0                      (d) 17

2. Write the successor of 1997

- (a) 1996                      (b) 1997                      (c) 1998                      (d) none of these

3. Which is the smallest whole number

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

4. Divide  $7 \div 0$

- (a) 7                      (b) 0                      (c) not defined                      (d) 1

5. Find value of  $297 \times 17 + 297 \times 3$

- (a) 5940                      (b) 5980                      (c) 5942                      (d) 5970

6. Which of the following will not represent 0

- (a)  $1+0$                       (b)  $0 \times 0$                       (c)  $0/2$                       (d)  $(10-10)/2$

7. If the product of two whole numbers is one if

- (a) one number is 1    (b) two numbers are 1    (c) not defined    (d) none of these

8. Smallest natural number is

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

9. Simplify  $126 \times 55 + 126 \times 45$

- (a) 12000                      (b) 12400                      (c) 12600                      (d) 12500

10. (i) If the product of two whole numbers is zero then one number will be zero

(ii) If the product of two whole numbers is zero then both number will be zero

- (a) Only I can be true    (b) only ii can be true    (c) Both can be true    (d) both are false

11. Study the pattern  $1 \times 8 + 1 = 9$

$$12 \times 8 + 2 = 98$$

Next step is-

- (a)  $123 \times 8 + 3 = 987$     (b)  $1234 \times 8 + 4 = 9876$     (c)  $120 \times 8 + 3 = 963$     (d)  $13 \times 8 + 3 = 987$

12. Fill in the blanks to make the statement true

$$6245+(631+751)=631+\text{.....}+751$$

- (a) 6245                      (b) 751                      (c) 200                      (d) 231

13. 5 divided by 0 is

- (a) 5                      (b) 0                      (c) 1                      (d) not defined

14. 0 divided by 6 is

- (a) 6                      (b) 0                      (c) 1                      (d) 60

15. Write the correct number to complete:

$$13 \times 100 \times \text{.....} = 1300000$$

- (a) 10                      (b) 1000                      (c) 10000                      (d) 100

16. State the property used statement

$$(29 \times 36) \times 18 = 29 \times (36 \times 18)$$

- (a) Associative property in multiplication    (b) Commutative property in multiplication  
(c) Distributive property in multiplication    (d) Closure property in multiplication

17. The school canteen charges Rs 20 for lunch Rs 4 for milk for each day How much money do you spend in 5 days on these things

- (a) 100                      (b) 20                      (c) 120                      (d) 5

18. Largest number formed by digits 2,4,0,3,6,9 is

- (a) 432900                      (b) 392460                      (c) 964320                      (d) 903642

19. If 36 flats cost Rs 68251500 What is the cost of each flat

- (a) Rs 198670                      (b) Rs 135649                      (c) Rs 203456                      (d) Rs 1895875

20. State the property in statement:  $256 \times 24 = 24 \times 256$

- (a) Associative property in multiplication    (b) commutative property in multiplication  
(c) Distributive property in multiplication    (d) Closure property in multiplication

21. Find product  $12 \times 35$

- (a) 12600                      (b) 34840                      (c) 420                      (d) 400

22. Find the value of  $1507 - (625/25)$

- (a) 1482                      (b) 1580                      (c) 1370                      (d) 1234

23. Find the sum  $837 + 208 + 603$

- (a) 1548                      (b) 1148                      (c) 1648                      (d) 1148

24. Find the whole number if  $n + 4 = 9$
- (a) 5                      (b) 3                      (c) 4                      (d) 6
25. Find a whole number  $n$  such that  $n = 2n$
- (a) 20                      (b) 100                      (c) 0                      (d) 1
26. The difference of largest number of three digit and smallest natural number is
- (a) 998                      (b) 997                      (c) 996                      (d) 995
27. The largest whole number is:
- (a) 99                      (b) 9979                      (c) 9999                      (d) can not be found
28. The sum of a natural number with a whole number is always:
- (a) 0                      (b) 100                      (c) even number                      (d) a natural number
29. The sum of two whole numbers is always:
- (a) zero                      (b) 100                      (c) a whole number                      (d) odd number
30. How many natural numbers are there
- (a) 100                      (b) 1000                      (c) infinitely many                      (d) 10
31. The product multiplication of a number with zero is always
- (a) zero                      (b) one                      (c) the number itself                      (d) none of these
32. The line on which we represent the natural number is known as
- (a) counting line                      (b) number line                      (c) digit line                      (d) zero line
33. Smallest natural number is
- (a) 0                      (b) 1                      (c) 2                      (d) -1
34. (I) All natural numbers are also whole numbers  
(II) One is the smallest natural number
- (a) only I is true                      (b) only II is true                      (c) both are true                      (d) both are false
35. The natural numbers along with zero form the collection of
- (a) Whole numbers                      (b) Integers                      (c) Rational numbers                      (d) Real numbers
36. Predecessor of which two digit number has a single digit
- (a) 9                      (b) 10                      (c) 0                      (d) 11
37. Which natural number has no predecessor
- (a) 0                      (b) 1                      (c) 10                      (d) 100
38. Whole numbers are closed under which operation
- (a) Addition                      (b) Subtraction                      (c) Division                      (d) None of these



39. Which number is identity for Addition of whole number

- (a) 0                                      (b) 1                                      (c) 10                                      (d) 100

40. Which number is identity for multiplication of whole numbers:

- (a) 0                                      (b) 1                                      (c)10                                      (d) 100

**TOPIC –WHOLE NUMBERS**

**ANSWER KEY**

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6	a	14	b	22	a	30	c	38	a
7	b	15	b	23	c	31	a	39	a
8	b	16	a	24	a	32	b	40	b

**TOPIC –WHOLE NUMBERS**

**ANALYSIS**

Questions	Tally marks	Concepts
1,2,36,37		Predecessor & successor
3,8,18,24,25,26,27,28,29,30,32,33,34,35		Concept of natural nos. whole nos.
4,5,6,7,9,10,13,14,15,17,19,21,22,23		Operation on whole nos.
12,16,20,31,38,39,40		Properties of whole nos.

## MULTIPLE CHOICE QUESTIONS

### CLASS VI

#### TOPIC: PLAYING WITH NUMBERS

TIME: 30 MINUTES

TOTAL QUESTIONS=40

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1.The exact divisor of number 9 is

- (a) 2                      (b) 3                      (c) 4                      (d) 5

2.Which number is factor of every number

- (a) 1                      (b) 2                      (c) 10                      (d) 100

3.Numbers of factors of given number are:

- (a) 1                      (b) 2                      (c) finite                      (d) infinite

4.The numbers of multiples of given number are

- (a) 1                      (b) 2                      (c) finite                      (d) infinite

5.Every number is multiple of

- (a) 1                      (b) 2                      (c) 10                      (d) itself

6. A number for which sum of all its factors is equal to twice number is called

- (a) Perfect number   (b) even number   (c) Odd number   (d) Prime number

7. How many factors does 36 has

- (a) 7                      (b) 9                      (c) 10                      (d) 8

8.Which of following number is multiple of 8

- (a) 2                      (b) 4                      (c) 10                      (d) 16

9. The numbers having two factors are called

- (a) Even                      (b) Odd                      (c) Prime                      (d) Composite

10.The numbers having more than two factors are called

- (a) Prime numbers   (b) Composite numbers   (c) Even numbers   (d) Odd numbers

11.Which number is neither prime nor composite

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

12. The multiple of 2 are also called

- (a) Even numbers   (b) Odd numbers   (c) Prime numbers   (d) Composite numbers

13. Which of the following is smallest prime number:

- (a) 1                      (b) 2                      (c) 3                      (d) 4

14. The only prime number which is also even

- (a) 1                      (b) 2                      (c) 4                      (d) 6

15. The sum of two odd and one even numbers is

- (a) Even                      (b) Odd                      (c) Prime                      (d) Composite

16. The smallest composite number is

- (a) 1                      (b) 2                      (c) 3                      (d) 4

17. Tell the maximum consecutive numbers less than 100 so that there is no prime number between them

- (a) 5                      (b) 6                      (c) 7                      (d) 8

18. If a number is divisible by 2 and 3 both then it is divisible by

- (a) 5                      (b) 6                      (c) 8                      (d) 10

19. Which of the following number is divisible by 3

- (a) 121                      (b) 123                      (c) 124                      (d) 122

20. A number is divisible by 4 if its

- (a) Last digit is 4                      (b) last digit is 0  
(c) last two digits are divisible by 4                      (d) last digit is 8

21. Two numbers having only 1 as common factor are called

- (a) Prime numbers                      (b) Co- prime numbers  
(c) Composite numbers                      (d) Odd numbers

22. Which of the following pair is co-prime

- (a) 6 and 8                      (b) 18 and 35                      (c) 7 and 35                      (d) 30 and 415

23. Common factors of 15 and 25 are

- (a) 15                      (b) 25                      (c) 5                      (d) 75

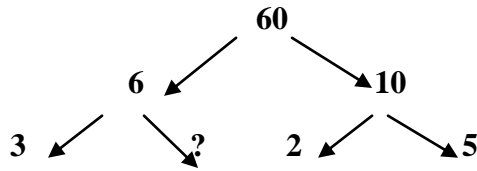
24. If a number is divisible two co-prime numbers then it is divisible by their

- (a) Sum also                      (b) Difference also                      (c) Product also                      (d) Quotient also

25. The product of L.C.M and H.C.F. of two numbers is equal to

- (a) Sum of numbers                      (b) Difference of numbers  
(c) Product of numbers                      (d) Quotients of numbers

26.



The missing number is:

- (a) 1                      (b) 2                      (c) 3                      (d) 4
27. What are the prime factors of greatest 4 –digit number
- (a)  $3 \times 3 \times 11 \times 101$       (b)  $9 \times 11 \times 101$       (c)  $3 \times 33 \times 101$       (d)  $3 \times 3 \times 11 \times 11$
- 28 . Which of the following expression has prime factors
- (a)  $24 = 2 \times 3 \times 4$       (b)  $56 = 7 \times 2 \times 2 \times 2$       (c)  $70 = 2 \times 5 \times 7$       (d)  $54 = 2 \times 3 \times 9$
29. Which of the following numbers has 4 different prime factors
- (a) 24                      (b) 120                      (c) 210                      (d) 100
30. The product of three consecutive numbers is always divisible by
- (a) 2                      (b) 4                      (c) 6                      (d) 8
31. The sum of two consecutive odd number is always divisible by
- (a) 2                      (b) 4                      (c) 6                      (d) 8
32. What is the H.C.F. of 18 and 48
- (a) 2                      (b) 4                      (c) 6                      (d) 8
33. What is the H.C.F. two consecutive even numbers
- (a) 1                      (b) 2                      (c) 4                      (d) 8
34. What is the H.C.F. two consecutive odd numbers
- (a) 1                      (b) 2                      (c) 4                      (d) 8
35.  $4 = 2 \times 2$  ,  $15 = 3 \times 5$ , so H.C.F. of 4 and 15 is
- (a) 0                      (b) 1                      (c) 2                      (d) 3
36. Find the L.C.M. of 12 and 18
- (a) 6                      (b) 36                      (c) 12                      (d) 18
37. L.C.M. of two co-prime numbers is always
- (a) product of numbers                      (b) sum of numbers  
(c) difference of numbers                      (d) none

**38. Find the least number which when divided by 6, 15 and 18 leave remainder 5 in each case**

- (a) 90                      (b) 180                      (c) 95                      (d) 185

**39. Divisibility by 2, 5, 10 can be checked by**

- (a) sum of digits      (b) last digit      (c) last two digits      (d) last three digits

**40. Which is greatest 3-digit number exactly divisible by 8, 10, 12**

- (a) 120                      (b) 360                      (c) 960                      (d) 980
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**TOPIC : PLAYING WITH NUMBERS**

**ANSWER KEY**

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1	b	9	c	17	c	25	c	33	b
2	a	10	b	18	b	26	b	34	a
3	c	11	b	19	b	27	a	35	b
4	d	12	a	20	c	28	b	36	b
5	d	13	b	21	b	29	c	37	a
6	a	14	b	22	b	30	c	38	c
7	b	15	a	23	c	31	b	39	b
8	d	16	d	24	c	32	c	40	c

**TOPIC –PLAYING WITH NUMBERS**

**ANALYSIS**

Questions	Tally marks	Concepts
1,2,3,4,5,6,7,8		Factors , Multiples & its properties
9,10,11,12,13,14,15,16,17		Prime no.,composite no. ,even no. , odd no.
18,19,20,30,31,39		Tests for divisibility & other properties of divisibility
21,22,23,24		Common factors , common multiples , co-prime nos.
26,27,28,29		Prime Factorisation
25,32,33,34,35,36,37,38,40		H C F , L C M

**MULTIPLE CHOICE QUESTIONS**

**CLASS VI**

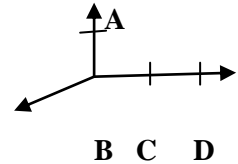
**TOPIC: BASIC GEOMETRICAL IDEAS**

**TIME: 30 MINUTES**

**TOTAL QUESTIONS=40**

1. How many points does the given figure has?

- (a) 5                      (b) 4                      (c) 3                      (d) 6



2. In the given figure, the ray will be named as \_\_\_\_\_.  $O \xrightarrow{A}$

- (a)  $l$                       (b)  $\overrightarrow{OA}$                       (c)  $\overline{OA}$                       (d)  $\overline{AO}$

3. How many lines pass through one given point?

- (a) One                      (b) two                      (c) countless                      (d) none

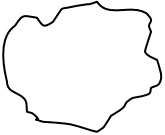


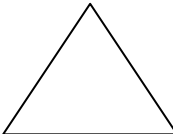
4. How many lines pass through two given points?

- (a) One                      (b) two                      (c) many                      (d) none

5. Which figure represents : point P lies on line segment AB.

- (a)  $A \text{ --- } B$                       (b)  $\overleftrightarrow{A P B}$                       (c)  $A \quad P$                       (d)  $\overleftrightarrow{A P B}$

6. Which of the following is an open curve?

- (a)                       (b)                       (c)                       (d) 

7. The line segment forming a polygon are called \_\_\_\_\_.

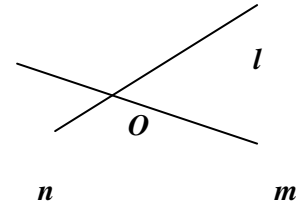
- (a) Vertex                      (b) sides                      (c) angle                      (d) curve

8. Two distinct lines meeting at a points are called \_\_\_\_\_.

- (a) Collinear lines (b) intersecting lines (c) parallel lines (d) none of these

9. Name the point of intersection in the given figure.

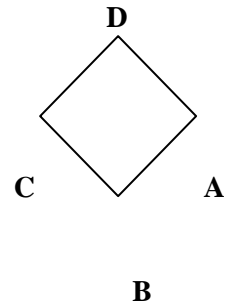
- (a)  $l$  (b)  $O$  (c)  $m$  (d)  $n$



- (a) An angle is made up of two \_\_\_\_\_ starting from common end point vertex (b) lines (c) rays (d) line segments

10. Which of the following is pair of opposite sides in the given figure.

- (a) AB,BC (b) BC,AD (c) CD,AD (d) AB,AD



11. Which of the following is the pair of adjacent angles in the given figure.

- (a)  $\angle A, \angle C$  (b)  $\angle B, \angle D$  (c)  $\angle A, \angle B$  (d) none of these.

12. A \_\_\_\_\_ of a circle is a line segment joining any two points on the circle

- (a) radius (b) diameter (c) circumference (d) chord

13. If two lines intersects each other then the common point between them is known as point of \_\_\_\_\_.

- (a) Contact (b) vertex (c) intersection (d) concurrence

15. Two lines in a plane either intersect exactly at one point or are

- (a) perpendicular (b) parallel (c) equal (d) equidistant

16. Three or more points lying on the same line are known as \_\_\_\_\_ points.

- (a) non – collinear (b) collinear (c) intersecting (d) none of these.

17. A flat surface which extends indefinitely in all directions is called \_\_\_\_\_.

- (a) line (b) line segment (c) plane (d) point

18. Number of lines which can be drawn from one point:

- (a) one (b) infinite (c) two (d) zero



19. Three or more points which lie on a same line are called:
- (a) non – collinear points                      (b) straight lines  
(c) collinear points                                (d) point of concurrence
20. Two lines meeting at a point are called \_\_\_\_\_ .
- (a) parallel lines            (b) intersecting lines    (c) concurrent lines    (d) intercept
21. A line has \_\_\_\_\_ length.
- (a) definite                      (b) indefinite                      (c) no                      (d) none of these.
22. The edge of a ruler draws \_\_\_\_\_ .
- (a) ray                      (b) line                      (c) line segment                      (d) curve
23. Three or more lines which pass through same point are called
- (a) intersecting lines                      (b) parallel lines  
(c) perpendicular lines                      (d) concurrent lines.
24. Geometrical figure which has no dimension is
- (a) line                      (b) plane                      (c) line segment                      (d) point.
25. The lines which do not intersect and have equal distance between them are called:
- (a) parallel lines    (b) perpendicular lines    (c) intersecting lines    (d) straight lines
26. Number of points a line can have are :
- (a) infinite                      (b) one                      (c) two                      (d) zero.
27. The point at which two lines cross each other is called:
- (a) point of intersection    (b) point of concurrence    (c) parallel lines    (d) concurrent lines.
28. A line segment AB is denoted as:
- (a)  $\overline{AB}$                       (b)  $\overleftrightarrow{AB}$                       (c) AB                      (d) both a and c
29. The length of line segment AB is denoted as:
- (a)  $\overline{AB}$                       (b)  $\overleftrightarrow{AB}$                       (c) AB                      (d) none of these.
30. A line segment has:
- (a) definite length but no end points                      (b) infinite length but no end point  
(c) definite length and have end points                      (d) none of these.
31. If the length of a line segment AB = 3 cm then 2AB will be
- (a) 8 cm                      (b) 6 cm                      (c) 4 cm                      (d) 9 cm
32. Number of line segments which can be drawn joining two points:
- (a) two                      (b) one                      (c) infinite                      (d) none

33. A portion of a line is known as:

- (a) line segment      (b) line      (c) portion of a line      (d) none of these

34. Two line segments having the same length are said to be:

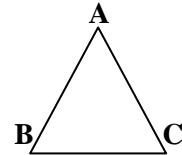
- (a) same      (b) unequal      (c) parallel      (d) equal

35. A portion of a line which has two end points:

- (a) line segment      (b) plane      (c) ray      (d) point

36. The number of line segment in the adjoining figure:

- (a) 1      (b) 2      (c) 3      (d) 4



37. The number of sides in a pentagon are

- (a) 3      (b) 5      (c) 6      (d) 4

38. The number of diagonal in a triangle are:

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

39. If two lines are perpendicular to each other then angle between them at the point of contact is

- (a)  $80^\circ$       (b)  $90^\circ$       (c)  $85^\circ$       (d)  $100^\circ$

40. A line segment has definite

- (a) breadth      (b) length      (c) thickness      (d) area

**ANSWER KEY**

Q. No.	Answer	Q. No.	Answer
1	(b)	21	(b)
2	(b)	22	(c)
3	(c)	23	(d)
4	(a)	24	(d)
5	(a)	25	(a)
6	(c)	26	(a)
7	(b)	27	(a)
8	(b)	28	(d)
9	(b)	29	(a)
10	(c)	30	(c)
11	(b)	31	(b)
12	(c)	32	(b)
13	(d)	33	(a)
14	(c)	34	(d)
15	(b)	35	(a)
16	(b)	36	(c)
17	(c)	37	(b)
18	(b)	38	(c)
19	(c)	39	(b)
20	(b)	40	(b)

**Analyse Your Performance**

Questions	Tally Marks	Revise These concepts
7,8,10,13,16,17,19,20,23,25,27		Basic definitions
36,37,38		Properties of polygons
1,3,4,14,15,18,21,22,24,26,28, 29,30,31,32,33,34,35,39,40		Line,line segment, ray
2,5,6,9,11,12		Figure questions.

**MULTIPLE CHOICE QUESTIONS****CLASS VI****TOPIC: INTEGERS****TIME: 30 MINUTES****TOTAL QUESTIONS=40****Q1. Which of the following number is greater than  $-1$  ?**

- (a)
- $-2$
- (b)
- $-10$
- (c)
- $0$
- (d)
- $-3$

**Q2. The preceding number of  $-1$  on number line is:**

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

**Q3. Which number is 5 more than  $-3$ ?**

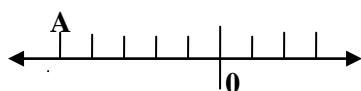
- (a)
- $-2$
- (b)
- $2$
- (c)
- $8$
- (d)
- $-8$

**Q4. 7 steps to the left of 4 on number line gives:**

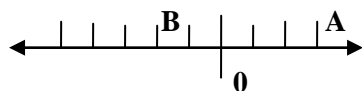
- (a)
- $3$
- (b)
- $11$
- (c)
- $-11$
- (d)
- $-3$

**Q5. 2 steps to the right of  $-1$  on number line gives:**

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

**Q6. Which number is being represented by the point A on following number line:**

- (a)
- $-9$
- (b)
- $5$
- (c)
- $-5$
- (d)
- $-6$

**Q7. What number is being represented by points A and B respectively on the number line:**

- (a) 3 and 2 (b) 2 and 3 (c)
- $-3$
- and
- $-2$
- (d) 3 and
- $-2$

**Q8. The integer succeeding  $-9$  is:**

- (a)
- $-10$
- (b)
- $10$
- (c)
- $-8$
- (d)
- $8$

**Q9. What will be the opposite of 3 Km south?**

- (a) 3 km east (b) 3 km north (c) 3 km north east (d) 3 km west

**Q10. Which of the following set of numbers is in descending orders?**

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

**Q11. Which of the following statements is false:**

- (a) 0 lies to the left of  $-1$       (b) 2 lies to the right of 1  
(c) 1 lies to the right of 0      (d)  $-2$  lies to the left of  $-1$

**Q12.  $-5$  added to the  $-1$  gives**

- (a) 4      (b)  $-4$       (c) 6      (d)  $-6$

**Q13. 7 added to  $-1$  gives**

- (a) 6      (b)  $-6$       (c)  $-8$       (d) 8

**Q14.  $-3$  added to  $-3$  gives**

- (a) 0      (b) 6      (c)  $-6$       (d) 9

**Q15. 1 subtracted from  $-1$  gives**

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

**Q16.  $-2$  subtracted from 7 gives**

- (a)  $-9$       (b) 5      (c)  $-5$       (d) 9

**Q17. 5 added to  $-5$  gives**

- (a) 10      (b)  $-10$       (c) 0      (d)  $-25$

**Q18. 3 taken away from 0 gives**

- (a) 3      (b)  $-3$       (c) 0      (d) not possible

**Q19. Smallest integer is**

- (a) 0      (b)  $-1$       (c) we cannot write      (d)  $-10000$

**Q20. Which of the following statement is true:**

- (a) 2 subtracted from  $-3$  gives 1      (b)  $-1$  subtracted from  $-5$  gives 6  
(c) 3 subtracted from  $-8$  gives  $-11$       (d) 1 subtracted from  $-7$  gives  $-6$

**Q21. Absolute value of  $-11$  is**

- (a) 10      (b)  $-1$       (c) 11      (d)  $-11$

**Q22. The number 3 less than  $-2$  is**

- (a)  $-1$       (b) 1      (c) 5      (d)  $-5$

**Q 23 Which of the following numbers is to the right of  $-3$  on number line ?**

- (a)  $-4$       (b)  $-2$       (c)  $-5$       (d)  $-6$

**Q 24 Which of the following number is not to the left of  $-10$  on the number line ?**

- (a)  $-9$       (b)  $-11$       (c)  $-12$       (d)  $-13$

**Q 25 The number of integers between  $-2$  and 2 is-**

- (a) 5      (b) 4      (c) 3      (d) 2

**Q 26** The opposite of -7 is

- (a) -6                      (b) 6                      (c) 5                      (d) 7

**Q27** Sum of two negative integers is always

- (a) Positive                      (b) Negative                      (c) 0                      (d) 1

**Q28** Sum of - 30 and - 12 is

- (a) 42                      (b) - 18                      (c) - 42                      (d) 18

**Q29.** In addition and subtraction of the integers the sign of answer depends upon

- (a) Smaller Number    (b) Their Difference    (c) Their Sum    (d) Greater numerical value

**Q30.** Sum of -14 and 9 is

- (a) 23                      (b) - 23                      (c) - 5                      (d) 5

**Q31.** Sum of - 10 , - 5 and 12 is

- (a) 27                      (b) - 3                      (c) 3                      (d) - 27

**Q32.** Which of the following statements is false

- (a)  $-4 > -5$                       (b)  $-4 < 5$                       (c)  $4 < -5$                       (d)  $4 > -5$

**Q33 .** Which of the following is in increasing order

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

**Q34.** Which of the following is correct

- (a)  $-8 > -7$                       (b)  $1 < 0$                       (c)  $-1 < 0$                       (d)  $-2 > 4$

**Q35.** Which of the following number forms a pattern

- (a) - 6 , - 3 , 0 , 3                      (b) - 5 , - 3 , - 2 , 0                      (c) 0 , 2 , 3 , 4                      (d) 1 , 2 , 4 , 6

**Q36.** Which of the following will give answer with negative sign

- (a)  $-48 + 79$                       (b)  $-40 + 40$                       (c)  $-48 + 30$                       (d)  $48 + (-39)$

**Q37.** What will be the additive inverse of -1 ?

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

**Q 38** Sum of two positive integers is always-

- (a) Negative                      (b) positive                      (c) 0                      (d) 1

**Q 39** Sum of a negative and a positive integer is –

- (a) Always negative    (b) either positive or negative    (c) always positive    (d) Zero

**Q 40**  $39 - 50$  is

- (a) Not possible                      (b) -89                      (c) -11                      (d) 10

**ANSWER KEY:**

Q. No.	Answer	Q. No.	Answer	Q. No.	Answer	Q. No.	Answer	Q. No.	Answer
1	c	9	b	17	c	25	c	33	c
2	d	10	c	18	b	26	d	34	c
3	b	11	a	19	c	27	b	35	a
4	d	12	d	20	c	28	c	36	c
5	b	13	a	21	c	29	d	37	d
6	c	14	c	22	d	30	c	38	b
7	d	15	c	23	b	31	b	39	b
8	c	16	d	24	a	32	c	40	c

**ANALYSIS:**

QUESTIONS	TALLY MARKS	CONCEPTS
1,2,3,4,5,6,7,11,23,24,25,		Use of number line
12,13,14,15,16,17,18,22,28,30,31,34,40		Basic operation without using number line
27,29,36,38,39		Properties on operations
37		Additive inverse , Multiplicative inverse
8,9,10,19,20,21,26,32,33,35		Other Basic concepts

# MULTIPLE CHOICE QUESTIONS

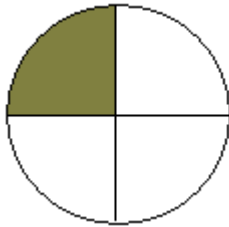
## CLASS VI

### TOPIC:FRACTIONS

TIME: 30 MINUTES

TOTAL QUESTIONS=40

1. Write the fraction representing the shaded region



a)  $\frac{4}{1}$

b)  $\frac{3}{4}$

c)  $\frac{4}{3}$

d)  $\frac{1}{4}$

2. Write the fraction representing the shaded region



a)  $\frac{3}{7}$

b)  $\frac{7}{3}$

c)  $\frac{4}{7}$

d)  $\frac{7}{4}$

3. Write the fraction representing the shaded region



a)  $\frac{5}{9}$

b)  $\frac{9}{5}$

c)  $\frac{4}{9}$

d)  $\frac{9}{4}$

4. What fraction of an hour is 45 minutes

a)  $\frac{4}{3}$

b)  $\frac{3}{4}$

c)  $\frac{1}{2}$

d)  $\frac{4}{5}$



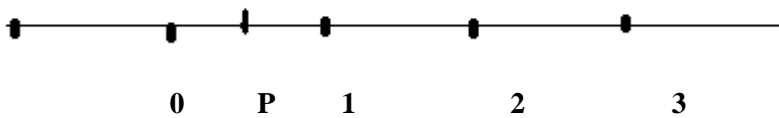
5. What fraction of a day is 8 hours

- a)  $\frac{1}{3}$                       b)  $\frac{3}{1}$                       c)  $\frac{1}{8}$                       d)  $\frac{8}{1}$

6. Which fig. represents the shaded portion having fraction  $\frac{3}{4}$



7. Which of the following fraction is represented by the point P on the given number line



- a)  $\frac{1}{2}$                       b)  $\frac{2}{1}$                       c)  $\frac{2}{3}$                       d)  $\frac{3}{2}$

8.  $\frac{20}{3}$  can be written in mixed fraction as

- a)  $3\frac{6}{2}$                       b)  $6\frac{2}{3}$                       c)  $2\frac{6}{3}$                       d)  $5\frac{5}{3}$

9.  $6\frac{2}{3}$  can be written in improper fraction as

- a)  $\frac{3}{20}$                       b)  $\frac{15}{3}$                       c)  $\frac{20}{3}$                       d)  $\frac{3}{15}$

10. Which one of the following is a proper fraction

- a)  $\frac{5}{6}$                       b)  $\frac{7}{3}$                       c)  $\frac{4}{3}$                       d)  $\frac{8}{5}$

11. Which one of the following is an improper fraction

- a)  $\frac{7}{8}$                       b)  $\frac{8}{3}$                       c)  $\frac{3}{4}$                       d)  $\frac{9}{11}$

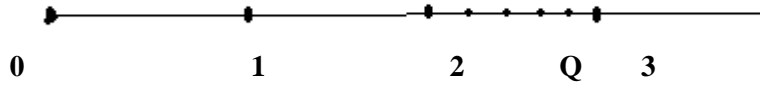
12. A proper fraction with denominator 7 is

- a)  $\frac{8}{7}$                       b)  $\frac{4}{7}$                       c)  $\frac{9}{7}$                       d)  $\frac{11}{7}$

13. A improper fraction with denominator 9 is

- a)  $\frac{2}{9}$                       b)  $\frac{7}{9}$                       c)  $\frac{11}{9}$                       d)  $\frac{5}{9}$

14. Which of the following fraction is represented by the point Q on the given number line



- a)  $\frac{13}{5}$                       b)  $\frac{3}{5}$                       c)  $\frac{3}{13}$                       d)  $\frac{13}{3}$

15. Which of the following can be written in the box  $\frac{2}{7} = \frac{8}{\square}$

- a) 16                      b) 13                      c) 28                      d) 35

16. Which of the following can be written in the box  $\frac{3}{5} = \frac{\square}{20}$

- a) 18                      b) 12                      c) 60                      d) 15

17. The equivalent fraction of  $\frac{3}{5}$  with denominator 20 is

- a)  $\frac{12}{20}$                       b)  $\frac{20}{12}$                       c)  $\frac{10}{20}$                       d)  $\frac{15}{20}$

18. The equivalent fraction of  $\frac{3}{5}$  with numerator 9 is

- a)  $\frac{15}{9}$                       b)  $\frac{9}{11}$                       c)  $\frac{9}{15}$                       d)  $\frac{9}{5}$

19. The simplest form of  $\frac{48}{60}$  is

- a)  $\frac{5}{4}$                       b)  $\frac{4}{5}$                       c)  $\frac{8}{10}$                       d)  $\frac{12}{15}$

20. The next equivalent fraction of the given fraction

$$\frac{1}{2}, \frac{2}{4}, \frac{3}{6}, \frac{4}{8}, \dots, \text{ is}$$

- a)  $\frac{7}{14}$                       b)  $\frac{6}{12}$                       c)  $\frac{15}{5}$                       d)  $\frac{5}{15}$

21. Which of the following pair of fractions are equivalent

- a)  $\frac{5}{9}, \frac{30}{54}$                       b)  $\frac{3}{10}, \frac{12}{50}$                       c)  $\frac{7}{13}, \frac{5}{11}$                       d)  $\frac{8}{7}, \frac{16}{21}$

22. Which of the following fraction is a like fraction of  $\frac{1}{15}$

- a)  $\frac{2}{15}$                       b)  $\frac{15}{2}$                       c)  $\frac{3}{7}$                       d)  $\frac{5}{7}$

23. Which of the following fraction is a unlike fraction of  $\frac{3}{7}$

a)  $\frac{5}{7}$

b)  $\frac{8}{7}$

c)  $\frac{3}{5}$

d)  $\frac{9}{7}$

24. Which of the following is a larger fraction

a)  $\frac{1}{9}$

b)  $\frac{4}{9}$

c)  $\frac{5}{9}$

d)  $\frac{7}{9}$

25. Which of the following is a smaller fraction

a)  $\frac{7}{8}$

b)  $\frac{5}{8}$

c)  $\frac{3}{8}$

d)  $\frac{1}{8}$

26. Which of the following is a greater fraction

a)  $\frac{4}{5}$

b)  $\frac{5}{6}$

c)  $\frac{5}{3}$

d)  $\frac{5}{2}$

27. Which of the following is a smaller fraction

a)  $\frac{5}{6}$

b)  $\frac{4}{5}$

c)  $\frac{5}{2}$

d)  $\frac{5}{3}$

28. The sum of the fraction  $\frac{1}{18}$  and  $\frac{1}{18}$  is given by

a)  $\frac{1}{18}$

b)  $\frac{1}{9}$

c)  $\frac{2}{36}$

d)  $\frac{36}{18}$

29. The value of  $1 + \frac{2}{3}$  is

a) 1

b)  $\frac{7}{3}$

c)  $\frac{5}{3}$

d)  $\frac{3}{5}$

30. The value of  $\frac{12}{15} - \frac{7}{15}$  is

a)  $\frac{1}{3}$

b)  $\frac{5}{2}$

c)  $\frac{5}{1}$

d)  $\frac{1}{5}$

31. The value of  $\frac{3}{2} - \frac{2}{3}$  is

a) 1

b)  $\frac{5}{6}$

c) 0

d)  $\frac{1}{6}$

32. The value of  $3 - \frac{12}{5}$  is

- a)  $\frac{9}{5}$                       b)  $\frac{9}{4}$                       c)  $\frac{3}{5}$                       d)  $\frac{5}{3}$

33. Which of the following should be put in the given box  $\frac{4}{10} + \square = \frac{7}{10}$

- a) 3                      b)  $\frac{10}{3}$                       c)  $\frac{1}{3}$                       d)  $\frac{3}{10}$

34. Which of the following should be put in the given box  $\frac{7}{10} + \square = \frac{3}{10}$

- a)  $\frac{2}{5}$                       b) 4                      c)  $\frac{1}{4}$                       d)  $\frac{5}{2}$

35. The value of  $\frac{1}{2} + \frac{3}{2} + \frac{5}{2}$  is

- a) 5                      b)  $\frac{9}{2}$                       c)  $\frac{17}{2}$                       d)  $\frac{9}{6}$

36. The value of  $\frac{2}{3} + \frac{3}{4} + \frac{1}{2}$  is

- a)  $\frac{6}{9}$                       b)  $\frac{23}{12}$                       c)  $\frac{21}{12}$                       d)  $\frac{6}{12}$

37. The value of  $1\frac{1}{3} + 3\frac{2}{3}$  is

- a)  $\frac{10}{3}$                       b)  $\frac{6}{3}$                       c)  $\frac{15}{3}$                       d)  $\frac{15}{6}$

38. The value of  $3\frac{1}{5} - 1\frac{2}{3}$  is

- a) 9                      b)  $\frac{9}{1}$                       c)  $\frac{23}{5}$                       d)  $\frac{9}{5}$

39. Shubham painted  $\frac{2}{3}$  of the wall and his sister painted  $\frac{1}{3}$  of the wall space. How much did they paint together?

- a)  $\frac{2}{3}$                       b)  $\frac{1}{3}$                       c) 1                      d)  $\frac{1}{2}$

40. Javed was given  $\frac{5}{7}$  of a basket of oranges. What fraction of oranges was left in the basket?

- a)  $\frac{4}{7}$                       b)  $\frac{2}{7}$                       c)  $\frac{5}{7}$                       d)  $\frac{12}{7}$

**Topic: Fractions**

**ANSWER KEY**

**Class – VI**

<b>1(d)</b>	<b>2(a)</b>	<b>3(c)</b>	<b>4(b)</b>	<b>5(a)</b>	<b>6(c)</b>	<b>7(b)</b>	<b>8(b)</b>	<b>9(c)</b>	<b>10(a)</b>
<b>11(b)</b>	<b>12(b)</b>	<b>13(c)</b>	<b>14(a)</b>	<b>15(b)</b>	<b>16(b)</b>	<b>17(a)</b>	<b>18(c)</b>	<b>19(b)</b>	<b>20(d)</b>
<b>21(a)</b>	<b>22(a)</b>	<b>23(c)</b>	<b>24(d)</b>	<b>25(d)</b>	<b>26(b)</b>	<b>27(c)</b>	<b>28(b)</b>	<b>29(c)</b>	<b>30(a)</b>
<b>31(b)</b>	<b>32(c)</b>	<b>33(d)</b>	<b>34(a)</b>	<b>35(b)</b>	<b>36(b)</b>	<b>37(c)</b>	<b>38(d)</b>	<b>39(c)</b>	<b>40(a)</b>

**ANALYSIS**

<b>Concepts</b>	<b>Tally Marks</b>	<b>Questions</b>
<b>Basic concepts representation of fractions</b>		<b>1,2,3,4,5,6,7,14</b>
<b>Different type of fractions</b>		<b>8,9,10,11,12,13</b>
<b>Equivalent fraction and simplest form of fractions</b>		<b>15 to 23</b>
<b>Comparison of fractions</b>		<b>24 to 27</b>
<b>Addition and subtraction of fraction</b>		<b>28 to 40</b>

## MULTIPLE CHOICE QUESTIONS

### CLASS VI

#### TOPIC:DECIMALS

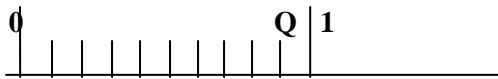
TIME: 30 MINUTES

TOTAL QUESTIONS=40

1. What is the decimal expansion of  $\frac{5}{10}$

- a) 0.5                      b) 5.0                      c) 0.05                      d) 0.005

2. The point represented by Q on the number line is given by



- a) 9                      b) 0.9                      c) 0.1                      d) 8

3. What is the place value of 9 in the given decimal 19.4

- a) ones                      b) tens                      c) tenth                      d) hundredth

4. What is the place value of 9 in the given decimal 19.4

- a) ones                      b) tens                      c) tenth                      d) hundredth

5. What is the decimal expansion of  $\frac{8}{100}$

- a) 0.8                      b) 8.00                      c) 800                      d) 0.08

6. What is the decimal expansion of  $\frac{9}{1000}$

- a) 0.9                      b) 9000                      c) 0.009                      d) 0.09

7.  $20+9+\frac{4}{10}+\frac{1}{100}$  can be written in decimal as

- a) 29.04                      b) 29.40                      c) 2940                      d) 0.2940

8. The decimal form  $\frac{7}{10}+\frac{6}{100}+\frac{4}{1000}$  can be written as

- a) 76.40                      b) 7.640                      c) 0.764                      d) 764.0

9.  $700+20+5+\frac{9}{100}$  can be written in decimal form as

- a) 725.09                      b) 725.9                      c) 72.59                      d) 7.259

10. The expanded form of 19.64 is

- a)  $1 \times 10 + 9 \times 1 + \square$  EMBED Equation.3  $\square\square\square + \square$  EMBED Equation.3  $\square\square\square$   
 b)  $1 \times 10 + 9 \times 0 + \square$  EMBED Equation.3  $\square\square\square + \square$  EMBED Equation.3  $\square\square\square$   
 c)  $1 \times 10 + 9 \times 1 + \square$  EMBED Equation.3  $\square\square\square + \square$  EMBED Equation.3  $\square\square\square$   
 d)  $1 \times 10 + 9 \times 1 + \square$  EMBED Equation.3  $\square\square\square + \square$  EMBED Equation.3  $\square\square\square$

11. 108.56 can be written in words as

- a) One hundred eight point fifty six                      b) One hundred eight point five six  
 c) Ten thousand eight hundred fifty six                      d) none of these

12. 5.008 can be written in words as

- a) Five thousand eight    b) Five point eight  
 c) Fifty point eight    d) five point zero zero eight

13. Which of the following point lies between 0.1 and 0.2

- a) 0.19    b) 1.9    c) 10.9    d) 1.09

14. 0.60 in the form of a fraction can be written as

- a)  $\frac{3}{5}$     b)  $\frac{60}{100}$     c)  $\frac{6}{100}$     d)  $\frac{.6}{10}$

15. Which of the following is greater?

- a) 1.09    b) 0.19    c) 1.90    d) 1.009

16. Which of the following is smaller?

- a) 0.7    b) 0.07    c) 0.007    d) 0.0007

17. Which of the following is true

- a)  $0.3 > 0.4$     b)  $0.07 < 0.02$     c)  $3 > 0.8$     d)  $0.5 = 0.05$

18.  $137 + \frac{5}{100}$  can be written in the decimal form as

- a) 137.5    b) 137.05    c) 13.75    d) 1.375

19. Three hundred six and seven hundredth in decimal form can be written as

- a) 306700    b) 306.7    c) 306.07    d) 30670

20. Two tens and nine tenths in decimal form is given by

- a) 2.9    b) 20.09    c) 2.09    d) 20.9

21.  $32.549 > 32.458$  because

- a) Tenth part is more    b) Hundredth is more  
 c) Thousandth is more    d) Whole part of both number are equal

22. 725 Paise in rupees can be written as

- a) 72.5                      b) 0.725                      c) 7.25                      d) 0.0725

23. 4.19 m in cm can be written as

- a) 419cm                      b) 41.9cm                      c) 0.419cm                      d) 41.09cm

24. 8888m in Km can be written as

- a) 88.88Km                      b) 888.8Km                      c) 8.888Km                      d) 8888Km

25. 22g in Kg can be written as

- a) 2.2Kg                      b) 0.022Kg                      c) 2.002Kg                      d) 2.02Kg

26. The sum of  $0.007 + 8.5 + 30.08$  is

- a) 38.587                      b) 3.100                      c) 18.508                      d) 385.87

27. Lata spend Rs 9.50 for buying a pen and Rs 2.50 for one pencil .How much money did she spend

- a) Rs 3.450                      b) Rs 7                      c) Rs 9.750                      d) Rs 12

28. Write the numbers given in the following place value table in decimal form

Hundred 100	Tens 10	Ones 1	Tenth 1/10	Hundredth 1/100	Thousandth 1/1000
0	1	2	9	0	2

- a) 129.02                      b) 1.29.2                      c) 12.902                      d) 129.02

29. Which of the following number can be placed in the tenth position if the given number is 97.50

Hundred 100	Tens 10	Ones 1	Tenth 1/10	Hundredth 1/100	Thousandth 1/1000

- a) 9                      b) 5                      c) 7                      d) 0

30. Which of the following option is not true.



- a)  $P=1.2$                       b)  $Q=2.3$                       c)  $R=2.8$                       d)  $S=1.8$

31. Find the value of  $9.756 - 6.28$

- a) 16.036                      b) 9.128                      c) 3.476                      d) 34.76

32. Find the value of  $35 - 2.54$

- a) 32.46                      b) 1.46                      c) 3.246                      d) 37.54

33. Subtract Rs. 18.25 from Rs. 20.75

- a) Rs. 25                      b) Rs. 39                      c) Rs. 2.50                      d) Rs. 3.9



34. Raju bought a book for Rs. 35.65. He gave Rs. 50 to the shopkeeper. How much money did he get back from the shopkeeper?

- a) Rs. 36.15      b) Rs. 14.35      c) Rs. 80.65      d) Rs. 1.435

35. Akash bought vegetables weighing 10KG. Out of this 3kg 500g is onions, 2kg 75g is tomatoes and the rest is potatoes. What is the weight of the potatoes?

- a) 9.500kg      b) 1.425kg      c) 5.575kg      d) 4.425kg

36. The number 0.125 can be written as fractions in lowest terms

- a)  $\frac{1}{8}$       b)  $\frac{125}{1000}$       c)  $\frac{25}{200}$       d)  $\frac{5}{40}$

37. 1mm = \_\_\_\_\_

- a) 0.1cm      b) 0.01 cm      c) 1.0 cm      d) 0.001cm

38. Which one of the following is true for 0.5



39. Which one of the following is not true

- a)  $1.431 < 1.490$       b)  $3.3 > 3.300$       c)  $0.3 < 0.4$       d)  $3 > 0.8$

40. The length of a young gram plant is 65mm. its length in cm will be

- a) 6.5cm      b) 0.65cm      c) 0.065cm      d) 6.05 cm.

Topic- DECIMALS

ANSWER KEY

Class – VI

1(a)	2(b)	3(a)	4(c)	5(d)	6(c)	7(a)	8(c)	9(a)	10(c)
11(b)	12(d)	13(a)	14(a)	15(c)	16(d)	17(c)	18(b)	19(c)	20(d)
21(a)	22(c)	23(a)	24(c)	25(b)	26(a)	27(d)	28(c)	29(c)	30(b)
31(c)	32(a)	33(c)	34(b)	35(d)	36(a)	37(a)	38(b)	39(b)	40(a)

ANALYSIS

Concepts	Tally Marks	Questions
Basic concepts of decimal		1,2,,5,6,11,12,38,
Expended form of decimals representation on number line		7,8,9,10,13,18,19,13,20,23
Place values		3,4,28,29,39
Comparison of Decimal		15,16,17,21
Application of decimal		14,22,23,24,25,36,37,40
Addition and subtraction of decimal		26,27,31,32,33,34,35

**MULTIPLE CHOICE QUESTIONS**

**CLASS VI**

**TOPIC: DATA HANDLING**

**TIME: 10 MINUTES**

**TOTAL QUESTIONS+10**

**Q1 In a bar graph bars are made \_\_\_\_\_**

- a. Horizontally
- b. vertically
- c. sometime horizontally some time vertically
- d. oblique

- a.raw data
- b. arrayed data
- c. secondary data
- d. organized data

**Q3 Representation of data in the form of picture ism called \_\_\_\_\_**

- a.bar graph
- b. pictograph
- c. histogram
- d. none of these

**Q4 In a bar graph space between rectangles is always \_\_\_\_\_**

- a. Unequal
- b. increasing
- c. decreasing
- d. equal

**Q5 The tally mark  shows frequency \_\_\_\_\_**

- a. 6
- b. 5
- c. 0
- d. 4

**Q6 In a bar graph the width of the rectangle is**

- a. Unequal
- b. increasing
- c. decreasing
- d. equal

**Following table shows the number of bicycles manufactured in a factory during the year 1998 to 2002. Read the table and answer the questions given bellow (Q7-Q10)**

Years	No.of bicycles manufactured
1998	800
1999	600
2000	900
2001	1100
2002	1200

**Q7 In which year were the maximum number of bicycles manufactured ?**

- a. 2002
- b. 2001
- c. 2000
- d. 1999

**Q8 In which year were the maximum number of bicycles manufactured ?**

- a. 2002
- b. 1999
- c. 2000
- d. 1998

**Q9 How many bicycles were manufactured from 1998 to 2002?**

- a. 4600
- b. 4000
- c. 2400
- d. 2800

**Q10 What is the difference between number of bicycles manufactured in 2002 and 1999 ?**

- a. 600
- b. 1200
- c. 500
- d. 1800

**ANSWER KEY**

<b>Q.No</b>	<b>Answer</b>
<b>1</b>	<b>c</b>
<b>2</b>	<b>a</b>
<b>3</b>	<b>b</b>
<b>4</b>	<b>d</b>
<b>5</b>	<b>a</b>
<b>6</b>	<b>d</b>
<b>7</b>	<b>a</b>
<b>8</b>	<b>b</b>
<b>9</b>	<b>a</b>
<b>10</b>	<b>a</b>

**ANALYSIS**

<b>QUESTION</b>	<b>TALLY MARK</b>	<b>REVISE THESE CONCEPT</b>
<b>Q2 ,Q3</b>		<b>DEFINITION</b>
<b>Q1,Q4,Q6</b>		<b>PROPERTIES</b>
<b>Q5,Q7,Q8,Q9,Q10</b>		<b>HOW TO READ THE TABLE</b>

## MULTIPLE CHOICE QUESTIONS

### CLASS VI

#### TOPIC: MENSURATION

TIME: 30 MINUTES

TOTAL QUESTIONS=40

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- Q.1.** The distance covered along the boundary of a rectangle is called its  
(a) area                      (b) perimeter                      (c) length                      (d) breadth
- Q.2.** The perimeter of a square is  
(a)  $4 + \text{side}$                       (b)  $4 \times \text{side}$                       (c)  $\text{side} \times \text{side}$                       (d)  $\text{length} + \text{breadth}$
- Q.3.** The perimeter of an equilateral triangle is  
(a)  $\text{side} + \text{side} + \text{side}$                       (b)  $\text{side} \times \text{side} \times \text{side}$   
(c)  $3 + \text{side}$                       (d)  $\text{side} + \text{side}$
- Q.4.** The amount of surface enclosed by a closed figure is called its  
(a) perimeter                      (b) area                      (c) flat surface                      (d) interior region
- Q.5.** Area of which figure is  $\text{length} \times \text{breadth}$   
(a) rectangle                      (b) square                      (c) isosceles triangle                      (d) equilateral triangle
- Q.6.** What will be the distance covered by Shalini by taking three rounds around a square park of side 2 cm  
(a) 6 cm                      (b) 12 cm                      (c) 18 cm                      (d) 24 cm
- Q.7.** What is the perimeter of a regular pentagon whose each side measuring 5 cm  
(a) 10 cm                      (b) 20 cm                      (c) 15 cm                      (d) 25 cm
- Q.8.** The shape of your class blackboard is  
(a) square                      (b) rectangle                      (c) triangle                      (d) parallelogram
- Q.9.** What is the area of the rectangle whose side are 5 cm  
(a) 10 cm                      (b) 20 cm                      (c) 15 cm                      (d) 25 cm
- Q.10.** If the cost of painting one black-board is Rs.50, what will be the cost of painting 10 black-boards  
(a) Rs.60                      (b) Rs.500                      (c) Rs.5000                      (d) Rs.10
- Q.11.** What will be the cost of tiling a rectangular plot of area 800 sq.m, if the cost of tiling 100 sq.m is Rs.6  
(a) Rs.14                      (b) Rs.48                      (c) Rs.4800                      (d) Rs.900

- Q.12. What is the length of the garden if area of rectangular garden of width 60 m is 300 sq.m  
(a) 900 m (b) 90 m (c) 18 m (d) 5 m
- Q.13. The perimeter of a triangle whose sides are 5 cm, 2 cm and 3 cm.  
(a) 30 cm (b) 11 cm (c) 17 cm (d) 10 cm
- Q.14. The width in area of rectangle is  
(a) length + area (b)  $\frac{\text{area}}{\text{length}}$  (c)  $\frac{\text{length}}{\text{area}}$  (d) area x length
- Q.15. What is the length of side of square whose area is 64 m<sup>2</sup>  
(a) 16 m (b) 32 m (c) 8 m (d) 64 m
- Q.16. The perimeter of a rectangle whose length is 4 cm and breadth is 5 cm  
(a) 9 cm (b) 20 cm (c) 18 cm (d) 36 cm
- Q.17. If the area of one tile is 10<sup>2</sup>. What will be the area of 5 tiles?  
(a) 50 m<sup>2</sup> (b) 2 m<sup>2</sup> (c) 15 m<sup>2</sup> (d) 11 m<sup>2</sup>
- Q.18. 7 m is -----cm.  
(a) 700 cm (b) 0.7 cm (c) 0.07 cm (d) 700 cm
- Q.19. To find the perimeter of floor of your class-room , we will  
(a) add the lengths of sides (b) subtract the lengths of sides  
(c) multiply the lengths of sides (d) divide the length of one side by the other side
- Q.20. The perimeter of regular hexagon of side 4 cm will be  
(a) 20 cm (b) 24 cm (c) 10 cm (d) 14 cm
- Q.21. The formula for finding area of square is  
(a) side x side (b) 4 x side (c)  $\frac{1}{2}$  x side (d) 2 x side
- Q.22. The formula for finding area of rectangle is  
(a) length x breadth (b) length +breadth  
(c) length/breadth (d) 2( length x breadth)
- Q.23. The cost of fencing a square park of side 100 m at the rate of Rs.10 per m will be  
(a) Rs.4000 (b) Rs.10000 (c) Rs.1000 (d) Rs.400
- Q.24. The perimeter of regular octagon is 16 cm, the length of each side will be  
(a) 4 cm (b) 2 cm (c) 1 cm (d) 8 cm

- Q.25. The perimeter of an isosceles triangle with equal side of length 4 cm and third side of length 6 cm will be  
 (a) 10 cm                      (b) 8 cm                      (c) 20 cm                      (d) 14 cm
- Q.26. 1 m 25 cm is -----cm.  
 (a) 125 cm                      (b) 1.25 cm                      (c) 1025 cm                      (d) 12.5 cm
- Q.27. Which has larger perimeter a square of side 2 cm, decagon of side 1 cm, pentagon of side 3 cm and equilateral triangle of side 1 cm  
 (a) decagon                      (b) pentagon                      (c) square                      (d) triangle
- Q.28. Which appropriate unit of measurement will be used to find the length of your thumb  
 (a) cm                      (b) m                      (c) km                      (d) m<sup>2</sup>
- Q.29. In figure what will be the area of 4 squares on the corners whose each side is 1 cm?  
 (a) 4 cm<sup>2</sup>                      (b) 1 cm<sup>2</sup>                      (c) 64 cm<sup>2</sup>                      (d) 8 cm
- 
- Q.30. Which formula will be used to find the area of wall of your class-room  
 (a)  $l \times b$                       (b)  $\frac{1}{2} \times l \times b$                       (c)  $l + b$                       (d)  $2(l + b)$
- Q.31. Area of rectangular garden of 50 m broad is 300 sq. m, the length of garden is  
 (a) 250 m                      (b) 6m                      (c) 6m<sup>2</sup>                      (d) 60m
- Q.32. If perimeter of triangle is 15 cm and any two sides are of length 4 cm and 3 cm, then length of third side will be  
 (a) 7 cm                      (b) 15 cm<sup>2</sup>                      (c) 15 cm<sup>3</sup>                      (d) 15 m
- Q.33. The perimeter of adjoining figure is  
 (a) 15 cm                      (b) 15 cm<sup>2</sup>                      (c) 15 cm<sup>3</sup>                      (d) 15 m
- Q.34. A table top measures 3 m by 50 cm, the area in sq. m will be  
 (a) 150 sq.m                      (b) 15 sq.m                      (c) 1.5 sq.m                      (d) 150 m
- Q.35. In figure, the area of shaded portion will be  
 (a) 1 cm<sup>2</sup>                      (b) 2 cm                      (c) 2 cm<sup>2</sup>                      (d) 3 cm<sup>2</sup>
- Q.36. Area of blackboard of your class will be----- than the area floor is  
 (a) less                      (b) greater                      (c) equal                      (d) none of above
- Q.37. If the area of one rectangular box is 50 m<sup>2</sup>, the area of 10 boxes will be  
 (a) 500 m                      (b) 5 m                      (c) 50 m                      (d) 500 m<sup>2</sup>
- Q.38. 1 cm<sup>2</sup> is \_\_\_\_\_mm<sup>2</sup>.

- (a) 100                      (b) 10                      (c) 1000                      (d)  $\frac{1}{10}$

**Q.39.** Which has larger perimeter

- (a) a regular pentagon of side 3 cm                      (b) a regular hexagon of side 3 cm  
(c) a regular heptagon of side 3 cm                      (d) a regular octagon of side 3 cm

**Q.40.** Area of floor of your class will be \_\_\_\_\_ as the area roof

- (a) greater                      (b) equal                      (c) less equal                      (d) none of above



**ANSWER KEY**

**MENSURATION**

**CLASS VI**

Q.1. (b)	Q.2. (b)
Q.3. (a)	Q.4. (b)
Q.5. (a)	Q.6. (d)
Q.7. (d)	Q.8. (b)
Q.9. (c)	Q.10.(b)
Q.11. (b)	Q.12.(d)
Q.13. (d)	Q.14.(b)
Q.15. (c)	Q.16.(c)
Q.17. (a)	Q.18.(a)
Q.19. (a)	Q.20.(b)
Q.21. (a)	Q.22.(a)
Q.23. (a)	Q.24.(b)
Q.25. (d)	Q.26.(a)
Q.27. (b)	Q.28.(a)
Q.29. (a)	Q.30.(a)
Q.31. (b)	Q.32. (c)
Q.33. (a)	Q.34 (c)
Q.35. (c)	Q.36.(a)
Q.37. (d)	Q.38.(a)
Q.39. (d)	Q.40.(b)

**ANALYSE YOUR PERFORMANCE**

**CLASS VI**

Questions	Tally Marks	Revise these concepts
2, 3, 14, 21, 22		Knowledge of formulae
1, 4, 26, 38		Concept of terms
5, 8, 19, 18, 27, 28, 30, 31, 32, 36, 39, 40		Understanding of concepts
6, 7, 9, 10, 11, 12, 13, 15, 16, 17, 20, 23, 24, 25, 29, 33, 34, 35, 37		Applications

**MULTIPLE CHOICE QUESTIONS**

**CLASS VI**

**TOPIC: ALGEBRA**

**TIME: 30 MINUTES**

**TOTAL QUESTIONS=40**

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**Q1: A basket has  $x$  mangoes, how many mangoes are there in 5 baskets?**

- (a)  $x+5$                       (b)  $5x$                       (c)  $x-5$                       (d)  $x/5$

**Q2: A teacher distribute 15 pencils per student , how many pencils are needed for ‘ $y$ ’ students:**

- (a)  $15-y$                       (b)  $15+y$                       (c)  $15/y$                       (d)  $15y$

**Q3: Perimeter of the square ,whose each side is ‘ $n$ ’ cm is**

- (a)  $n+4$                       (b)  $4n$                       (c)  $n-4$                       (d)  $n/4$

**Q4: Perimeter of an equilateral triangle, whose each side is ‘ $x$ ’ unit is**

- (a)  $3x$                       (b)  $3-x$                       (c)  $3/x$                       (d)  $3+x$

**Q5: Diameter of circle whose radius is ‘ $r$ ’ is**

- (a)  $r/2$                       (b)  $2r$                       (c)  $2-r$                       (d)  $2+r$

**Q6:  $x+y = 5+x$  is**

- (a) Commutative property                      (b) Associative property  
(c) Closure property                      (d) Distributive property

**Q7: How many variables are used in the expression  $2x+ 3y +5$**

- (a) 1                      (b) 2                      (c) 3                      (d) 5

**Q8: What is an expression for the statement: “ $p$  is multiplied by 16”**

- (a)  $16p$                       (b)  $p/16$                       (c)  $p+16$                       (d)  $p-16$

**Q9: The expression for the statement: “  $y$  multiplied by 10 and then 7 added to product”.**

- (a)  $10+y+7$                       (b)  $7y+10$                       (c)  $10y+7$                       (d)  $10y$

**Q10: What is the statement for the expression  $2y -9$**

- (a)  $2y$  subtracted from 9                      (b) 9 subtracted from  $y$  and multiplied by 2  
(c) 9 subtracted from 9                      (d) thrice of  $y$  minus 9

**Q11: Give expression for: “ 5 times of ‘ $y$ ’ to which 3 is added”**

- (a)  $y+15$                       (b)  $5y+3$                       (c)  $\frac{5}{y} +3$                       (d)  $3y +5$

**Q12 : Which of the following is an equation**

- (a)  $2x+3+5$       (b)  $2x+3 < 5$       (c)  $2x+3 > 5$       (d)  $2x+3 = 5$

**Q13: Which of the solution of equation  $3x+2 = 11$**

- (a) 0      (b) 11      (c) 3      (d) 27

**Q14:  $p=3$  is a solution of equation**

- (a)  $2p+5=17$       (b)  $5p+2=17$       (c)  $2p+17=5$       (d)  $5p+17=2$

**Q15: The equation for the statement: one fourth of a number minus 4 gives 4.**

- (a)  $4x - 4 = 4$       (b)  $\frac{4}{x} - 4 = 4$       (c)  $\frac{1}{4}x - 4 = 4$       (d)  $x - 4 = \frac{1}{4}$

**Q16: Which of the following is expression with one variable**

- (a)  $y+1$       (b)  $x+y-5$       (c)  $x+y+z$       (d) 1

**Q17:  $a \times b = b \times a$  is**

- (a) Commutative property under addition      (b) Associative property under multiplication  
(c) Distributive property of multiplication over addition      (d) Closure property

**Q18:  $ax(b+c) = a \times b + a \times c$  is**

- (a) Commutative property under addition      (b) Associative property under multiplication  
(c) Distributive property of multiplication over addition      (d) Closure property

**Q19: Which of the following is an equation:**

- (a)  $x-3 > 0$       (b)  $x+3 < 0$       (c)  $x$       (d)  $x+3=0$

**Q20: The variable from the equation  $2n + 1 = 11$  is**

- (a) 2      (b)  $n$       (c) 1      (d) 11

**Q21: Which of the following is the solution of the equation  $\frac{q}{2} = 7$**

- (a) 14      (b) 3.5      (c) 5      (d) 9

**Q22: Value of the variable in the equation  $b+5=9$  is**

- (a) 14      (b)  $9/5$       (c) 4      (d) 5

**Q23: Sarita's present age is 'm' years . what will be her age after ten years ?**

- (a)  $10m$       (b)  $m-10$       (c)  $10-m$       (d)  $m+10$

**Q24: The price of potatoes is Rs. X per kg and price of onion is Rs. 10 more than the price of potatoes. Therefore the price of onion is**

- (a)  $10x$       (b)  $x+10$       (c)  $x/10$       (d)  $x-10$

Q25: The expression  $x - 3$  is read as

- (a)  $x$  subtracted from 3                      (b) 3 subtracted from  $x$   
(c) sum of  $x$  and 3                              (d) multiplication of  $x$  and 3

Q26: The value of variable in the expression is

- (a) fixed                      (b) not fixed                      (c) zero                      (d) one

Q27: the diameter of a circle whose radius is  $r/2$  is equal to

- (a)  $r$                       (b)  $2r$                       (c)  $r/4$                       (d)  $r^2$

Q28:  $Z$  multiplied by 5 and then subtracted from 7 is

- (a)  $5z-7$                       (b)  $z-35$                       (c)  $7-5z$                       (d)  $z/5 -7$

Q29: The age of Siddharth is  $x$  years , Sahil is 5 years older than Siddharth therefore Sahils age is

- (a)  $5x$                       (b)  $x-5$                       (c)  $x+5$                       (d)  $x/5$

Q30: The number of rows in 6 class is equal to the number of columns . If the number of rows is 'b' then the total students in the 6 class are:

- (a)  $2b$                       (b)  $2+b$                       (c)  $b^2$                       (d) 0

Q31:  $x+y+z$  is

- (a) an equation                      (b) constant                      (c) a variable                      (d) an expression

Q32: Number of matchsticks required to make a pattern of 'T'

- (a) 2                      (b) 3                      (c) 4                      (d) 5

Q33: Number of matchsticks required to make a pattern of 'z'

- (a) 1                      (b) 2                      (c) 3                      (d) 4

Q34: The value of  $p - q + pq$  for  $p = -1, q = -2$  is

- (a) 0                      (b) -1                      (c) -5                      (d) 3

Q35:  $x = 5$  satisfies the equation

- (a)  $x+10=30$                       (b)  $x-3=7$                       (c)  $x+3=7$                       (d)  $x-3=2$

Q36: Number of variables used in the expression  $x^2 + 1$  is

- (a)  $x^2$                       (b) 1                      (c) 2                      (d) 3

Q37: Equation for the statement " 2 multiplies by  $p$  and then subtracted from 5 is 10" is

- (a)  $2p-5=10$                       (b)  $2+p-5=10$                       (c)  $5-2p=10$                       (d)  $2(5-p)=10$

Q38: Solution of equation  $\frac{3q}{2} = 5$  is

- (a) 10                      (b) 30                      (c)  $3/10$                       (d)  $10/3$

**Q39:** Age of Avneet is ‘ y’ years. Avishi is four years younger than Avneet. Therefore age of Avishi is  
 (a)  $y-4$  (b)  $y+4$  (c)  $4y$  (d)  $4-y$

**Q40:**  $2x-3$  may be expressed as

- (a) Ram’s age is 3 years less than Shyam’s age
- (b) Ram’s age is 3 years less than twice Shyam’s age.
- (c) Ram’s age is 3 years more than twice the Shyam’s age.
- (d) Ram’s age is 3 years morre than Shyam;s age.

**ANSWER KEY**

Q. No.	Answer	Q. No.	Answer	Q. No.	Answer	Q. No.	Answer	Q. No.	Answer
1	b	9	c	17	b	25	b	33	c
2	d	10	c	18	a	26	b	34	d
3	b	11	b	19	d	27	a	35	d
4	a	12	d	20	b	28	c	36	b
5	b	13	c	21	a	29	c	37	c
6	a	14	b	22	c	30	c	38	d
7	b	15	c	23	d	31	d	39	a
8	a	16	a	24	b	32	a	40	b

**KEY FOR ANALYSIS**

<b><u>BASIC CONCEPTS</u></b>	<b><u>QUESTION NO.</u></b>
1. Concept of variable and constants and use of variables	<u>1,2,3,4,5,7,27,31,32,33,34,36</u>
2. Expression with variables and properties	<u>6,8,9,10,11,16,17,22,24,25,28,29,30,39,40</u>
3. Concept of equation and solution	<u>12,13,14,15,18,19,20,21,22,26,35,37,38</u>

## MULTIPLE CHOICE QUESTIONS

### CLASS VI

#### TOPIC: RATIO AND PROPORTION

TIME: 30 MINUTES

TOTAL QUESTIONS=40

Q 1. The ratio of 90 cm to 1.5 m is.....

- (a) 3 : 5                      (b) 5 : 3                      (c) 60 : 1                      (d) 4 : 3

Q 2. 6 : 4 is equivalent ratio of .....

- (a) 2 : 3                      (b) 3 : 2                      (c) 1 : 2                      (d) 1 : 4

Q 3. Find the ratio of 81 to 108 ?

- (a) 3 : 4                      (b) 5 : 9                      (c) 4 : 3                      (d) 9 : 20

Q 4. Fill in the blank :-  $15/18 = \underline{\quad}/6$

- (a) 5                      (b) 4                      (c) 3                      (d) 7

Q 5. Find the value of x in  $4 : 3 = x : 12$  ?

- (a) 4                      (b) 12                      (c) 16                      (d) 3

Q 6. In proportion first and the last terms are called \_\_\_\_\_ .

- (a) Mean terms                      (b) Extreme terms                      (c) Middle terms                      (d) None of these

Q 7. The ratio is said to be in simplest form if common factor is \_\_\_\_\_.

- (a) 1                      (b) 0                      (c) -1                      (d) None of these

Q 8. Three terms a, b, c are said to be in proportion if \_\_\_\_\_ .

- (a)  $a : b = b : c$                       (b)  $a : b = c : b$                       (c)  $b : a = c : a$                       (d)  $c : a = a : b$

Q 9. Four terms a, b, c, d are said to be in proportion if \_\_\_\_\_ .

- (a)  $a : b = c : d$                       (b)  $a : c = d : b$                       (c)  $a : d = b : c$                       (d) None of these

Q 10. If the cost of 6 cans of juice is Rs 210, then what is the cost of 4 cans of juice is ?

- (a) Rs 120                      (b) Rs 140                      (c) Rs 100                      (d) Rs 80

Q 11. Fill in the blank :-  $32 \text{ m} : 64 \text{ m} = 6 \text{ sec} : \underline{\quad}$

- (a) 13 sec                      (b) 12 sec                      (c) 8 sec                      (d) 24sec

Q 12. Which of the following is correct :-

- (a)  $3 : 4 = 15 : 25$                       (b)  $12 : 24 = 6 : 12$                       (c)  $7 : 3 = 14 : 3$                       (d)  $5 : 10 = 9 : 20$

Q 13. The ratio of 15 Kg to 75 Kg is.....

- (a) 1 : 5                      (b) 5 : 1                      (c) 3 : 5                      (d) 15 : 3

- Q 14. 7 : 42 is equivalent ratio of .....
- (a) 7 : 6                      (b) 6 : 1                      (c) 1 : 6                      (d) 6 : 7
- Q 15. Find the ratio of 33 Km to 121 Km ?
- (a) 3 : 11                      (b) 11 : 3                      (c) 3 : 7                      (d) 7 : 3
- Q 16. Fill in the blank :-  $35/42 = \underline{\quad}/6$
- (a) 5                              (b) 4                              (c) 3                              (d) 7
- Q 17. Find the value of x in  $3 : 4 = x : 16$ ?
- (a) 4                              (b) 16                              (c) 12                              (d) 3
- Q 18. Two quantities can be compared only if they are in the same \_\_\_\_\_.
- (a) Ratio                      (b) Units                      (c) Proportion                      (d) None of these
- Q 19. The ratio is said to be not in simplest form if common factor is .....
- (a) 1                              (b) Other than 1                      (c) -1                              (d) None of these
- Q 20. In Proportion the Symbol  $::$  is used for \_\_\_\_\_ .
- (a) To show greater ratio                      (b) Two equate the two ratios  
(c) Two show smaller ratio                      (d) None of these.
- Q 21. Fill in the blank:- 30 , 40 , ..... , and 60 are in proportion
- (a) 15                              (b) 45                              (c) 35                              (d) 10
- Q 22. The cost of 105 envelopes is Rs 35. How many envelopes can be purchased for Rs 10 ?
- (a) 12                              (b) 40                              (c) 30                              (d) 50
- Q 23. Fill in the blank :-  $36 \text{ m} : 72 \text{ m} = 6 \text{ sec} : \underline{\hspace{2cm}}$
- (a) 13 min                      (b) 24 sec                      (c) 8 min                      (d) 12 sec
- Q 24. Which of the following is correct :-
- (a)  $3 : 4 = 15 : 25$                       (b)  $16 : 32 = 10 : 20$                       (c)  $7 : 3 = 14 : 3$                       (d)  $5 : 15 = 9 : 20$
- Q 25. The ratio of 20 Km to 100 Km is \_\_\_\_\_
- (a) 1 : 5                              (b) 5 : 1                              (c) 3 : 5                              (d) 5 : 3
- Q 26. 30 : 45 is equivalent ratio of .....
- (a) 15 : 3                              (b) 3 : 15                              (c) 2 : 3                              (d) 3 : 2
- Q 27. Find the ratio of 500 ml to 2 lt ?
- (a) 1 : 4                              (b) 4 : 3                              (c) 3 : 4                              (d) 4 : 1
- Q 28. Fill in the blank :-  $36 / \underline{\hspace{1cm}} = 72/6$
- (a) 8                              (b) 12                              (c) 3                              (d) 6
- Q 29. Fill in the blank:- 25 , 30 , \_\_\_\_\_ and 48 are in proportion

- (a) 15                      (b) 40                      (c) 35                      (d) 42
- Q 30. Divide 20 pens between Sheela and Sangeeta in the ratio of 3 : 2.**
- (a) 12 , 8                      (b) 11 , 9                      (c) 10 , 10                      (d) 14 , 6
- Q 31. Fill in the blank :-  $12 : 108 = 1 : \underline{\hspace{2cm}}$**
- (a) 1                      (b) 9                      (c) 8                      (d) 12
- Q 32. Which of the following is correct :-**
- (a)  $3 : 5 = 15 : 25$                       (b)  $26 : 32 = 10 : 20$                       (c)  $7 : 3 = 12 : 3$                       (d)  $5 : 15 = 8 : 20$
- Q 33. The ratio of 98 to 63 is  $\underline{\hspace{2cm}}$**
- (a) 14 : 5                      (b) 9 : 14                      (c) 5 : 14                      (d) 14 : 9
- Q 34. 60 : 120 is equivalent ratio of  $\underline{\hspace{2cm}}$**
- (a) 1 : 2                      (b) 2 : 1                      (c) 2 : 3                      (d) 3 : 2
- Q 35. Find the ratio of 55 paise to Re 1 ?**
- (a) 11 : 25                      (b) 11 : 20                      (c) 5 : 1                      (d) 25 : 4
- Q 36. Fill in the blank :-  $22 / \underline{\hspace{1cm}} = 2 / 3$**
- (a) 3                      (b) 22                      (c) 33                      (d) 11
- Q 37. The ratio of 20 cm to 2 m is  $\underline{\hspace{2cm}}$**
- (a) 1 : 10                      (b) 25 : 20                      (c) 20 : 5                      (d) 4 : 5
- Q 38. 36 : 84 is equivalent ratio of  $\underline{\hspace{2cm}}$**
- (a) 7 : 3                      (b) 3 : 7                      (c) 6 : 7                      (d) 12 : 7
- Q 39. Find the ratio of 25 to 125 ?**
- (a) 5 : 1                      (b) 5 : 15                      (c) 1 : 5                      (d) 10 : 25
- Q 40. Fill in the blank :-  $35 / 45 = \underline{\hspace{1cm}} / 9$**
- (a) 5                      (b) 4                      (c) 3                      (d) 7



**ANSWER KEY**

Q. No.	Answer	Q. No.	Answer	Q. No.	Answer	Q. No.	Answer	Q. No.	Answer
1	a	9	a	17	c	25	a	33	d
2	b	10	b	18	b	26	c	34	a
3	a	11	b	19	b	27	a	35	b
4	a	12	b	20	b	28	c	36	c
5	c	13	a	21	b	29	b	37	a
6	b	14	c	22	c	30	a	38	b
7	a	15	a	23	d	31	b	39	c
8	a	16	a	24	b	32	a	40	d

**ANALYSIS**

QUESTIONS	TALLY MARKS	CONCEPTS
1 , 3 , 7 , 13 , 15 , 18 ,19,25 , 27, 32 , 33 , 35 , 37,39		Understanding of Basic CONCEPTS of Ratio
2 , 14 , 26 , 34 , 38		Identification of Equivalent Ratios
4 , 6 , 8 , 9 , 11 , 12 , 16 , 20 , 21 , 23 , 24 , 28 , 36 , 29 , 31 , 40		Understading of Proportion
5 , 10 , 17 , 22 , 30		Applications

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