

HOLIDAY HOMEWORK

CLASS - VIth SUB - MATHS

1. Revise chapter-1 and 5 for UT.
2. Learn and write table from 2 to 20 twice.
3. Write properties of whole numbers on chart paper.
4. Draw following angles on chart paper.
(I) Right angle (II) Acute angle
(III) Straight angle (IV) Complete angle
5. Make a maths game.
6. Solve given work sheets in your note book.



WORKSHEET 1



Number System

DATE :

1. Choose the correct option. (MCQ's)

- (i) The total no. of 7-digit numbers is
 (a) 899910 (b) 90000 (c) 999910 (d) 9000000
- (ii) The numeral for 'two hundred two million sixteen thousand seven' is
 (a) 202016007 (b) 202160007 (c) 200216007 (d) 200201607
- (iii) The greatest 6-digit number formed using the digits 5, 0, 9, 1, 3, 2 (each digit to be used once only) is
 (a) 953201 (b) 953210 (c) 950321 (d) 953021
- (iv) How many thousands make a ten million ?
 (a) 10 thousands (b) 100 thousands
 (c) 1000 thousands (d) 10000 thousands

2. Which is the smallest whole number ?

3. Which is the smallest natural number ?

4. Which number is the successor of '0' ?

5. Which whole number always has the same place value and face value ?

6. (i) How many thousands make one lakh ?

(ii) How many millions make one crore ?

(iii) How many lakhs make ten million ?

7. Write down the short form of the following numbers given in the expanded form :

(i) $60000 + 8000 + 900 + 90 + 1$

(ii) $2000 + 5$

(iii) $9000000 + 900 + 9$

8. How many 6-digit numbers are there in all ?

9. How many 7-digit numbers are there in all ?

10. Arrange the following in descending order :

(i) 5009, 87, 5010, 987, 5005

(ii) 10007, 9009, 10010, 90010, 10100

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Teacher's Signature :



WORKSHEET 2

Operations on Whole Numbers

DATE :

1. Choose the correct option. (MCQ's)

- (i) Which of the following is not possible in whole numbers ?
 (a) $8 - 6$ (b) $53 - 53$ (c) $102 - 101$ (d) $2 - 3$
- (ii) Which of the following does not show the Commutative property of multiplication of whole numbers ?
 (a) $6 \times 2 = 12 \times 1$ (b) $5 \times 2 = 2 \times 5$
 (c) $30 \times 58 = 58 \times 30$ (d) None of these
- (iii) The value of $110 \times 25 \times 4$ is
 (a) 10000 (b) 4400 (c) 11004 (d) 11000
- (iv) Which of the following is possible in whole numbers ?
 (a) $(20 \div 5) \div 2$ (b) $20 \div (5 \div 2)$ (c) $(20 \div 2) \div 5$ (d) All of these
- (v) Which of the following shows the Distributive property of multiplication over addition ?
 (a) $8 \times 9 \times 15$ (b) $15 \times 9 \times 8$ (c) $9 \times 8 \times 15$ (d) $10 \times (2 + 8)$

2. Which of the following statements are true ?

- (i) The sum of two odd whole numbers is always a whole number.
- (ii) The product of two odd numbers is always odd.
- (iii) The product of two even numbers is always even.

3. Fill in the blanks :

- (i) $0 + \dots\dots\dots 72$ (ii) $\dots\dots\dots + 117 = 117 + 423$
 (iii) $1 \times \dots\dots\dots = 9999$ (iv) $\dots\dots\dots - 0 = 6363$
 (v) $\dots\dots\dots \div 1 = 2799$ (vi) $2133 \div 2133 = \dots\dots\dots$

4. Write the missing numbers in the following magic squares :

(i)

10	5	12
		7
	13	

(ii)

	21	18
27		
12	9	24

(iii)

16	2	3	13
	11	10	
9			12
4		15	

5. Find the value of :

- (i) $18945 \div 1$ (ii) $0 \div 18945$ (iii) $2736 \div 2736$
- (iv) $625 \div 25 - 25$ (v) $625 \div 25 - 0$

Teacher's Signature :



WORKSHEET 3



Integer and its Absolute Value

DATE :

1. Fill in the blanks [(i)—(v)] :

- (i) Zero is greater than every integer.
- (ii) The absolute value of zero is
- (iii) All natural numbers are integers.
- (iv) Zero is than every positive integer.
- (v) There are integers between 2 and -1 .

2. Is the smallest integer zero ?

3. Which integer is greater, -9 or -90 ?

4. Arrange the following in increasing order :

$-13, -4, +6, +4, 0, -9, +8, +5, -2$

5. Arrange the following integers in decreasing order :

$-9, +6, -3, +3, 0, +9, -7, -1$

6. Which integer in each of the following pairs is greater ?

(i) $+127, +130$ (ii) $+121, -200$ (iii) $-13, +110$

7. Which integer in each of the following pairs is smaller ?

(i) $+213, -217$ (ii) $-300, -400$ (iii) $-1, 0$

8. Write all integers between -7 and $+5$.

9. Write the absolute value of each of the following :

(i) -2 (ii) 0 (iii) $+5$
 (iv) -100 (v) -1001 (vi) $+30$

10. Insert the symbol ' $<$ ' or ' $>$ ' in each of the following :

(i) -3 -31 (ii) 0 -27 (iii) 9 -1
 (iv) -2 0 (v) 7 -7 (vi) -18 -9

11. Find the value of the following :

(i) $|-5| + |-1|$ (ii) $|0| - |1|$ (iii) $|-1| - |0|$
 (iv) $|-10| - |10|$ (v) $|13| - |-5|$ (vi) $|-9| + |9|$

Teacher's Signature :



WORKSHEET 4

Operations on Integers

DATE :

1. Choose the correct option. (MCQ's)

- (i) The value of $|-6| - |6|$ is
 (a) 12 (b) -12 (c) 0 (d) 1
- (ii) The product of -13, 12 and -5 is
 (a) -690 (b) 740 (c) -760 (d) 780
- (iii) $-32 \times (9 - 29) =$
 (a) 640 (b) -640 (c) 720 (d) -720
- (iv) On dividing 1008 by -18, the quotient obtained is
 (a) 66 (b) -66 (c) -56 (d) 56

2. Calculate the sum :

- (i) $(-549) + 975$ (ii) $205 + (-187)$ (iii) $(-8120) + (-453)$
 (iv) $430 + (-430)$ (v) $(-1618) + 1618$ (vi) $236 + (-326)$

3. Multiply :

- (i) -9 and +8 (ii) -15 and -15 (iii) 0 and -27
 (iv) -29 and 0 (v) 0 and 0 (vi) 1 and -36

4. Find the value of :

- (i) $(-48) \div (-12)$ (ii) $(-70) \div 14$ (iii) $56 \div (-7)$
 (iv) $(-35) \div 5$ (v) $(-1476) \div 123$ (vi) $(-1089) \div (-11)$

5. Which is greater ?

- (i) $(-9) + (-9)$ or $(-9) - (-9)$
 (ii) $(-18) + (+18)$ or $(18) - (-18)$
 (iii) $(+27) - (+27)$ or $(-27) + (-27)$

6. Fill in the blanks :

- (i) $(-1)^5 = \dots\dots\dots$ (ii) $(-2)^5 = \dots\dots\dots$ (iii) $(0)^{10} = \dots\dots\dots$
 (iv) $(\dots\dots\dots)^5 = -1$ (v) $(-2)^3 \times (-2)^2 = \dots\dots\dots$

7. Simplify :

- (i) $2^3 + 3^2$ (ii) $3^2 \times 2^3$ (iii) 0×5^6
 (iv) $-1^4 \times 1^5$ (v) $1^3 \times (-1)^4$ (vi) $5^2 \times 2^2$

Teacher's Signature :



WORKSHEET 5



Factors and Multiples

DATE :

1. Choose the correct option. (MCQ's)

- (i) The first 7th multiple of 15 is
 (a) 45 (b) 15 (c) 90 (d) 105
- (ii) Which of the following is a pair of co-primes ?
 (a) 3, 18 (b) 7, 98 (c) 2, 9 (d) 8, 16
- (iii) Which of the following is not a factor of 96 ?
 (a) 2 (b) 3 (c) 5 (d) 8
- (iv) The prime factors of 20 are
 (a) 1, 2, 4, 5, 10, 20 (b) 2, 4, 5, 10, 20
 (c) 1, 5 (d) 2, 5
- (v) The first three multiples of 12 are
 (a) 24, 36, 48 (b) 12, 24, 36 (c) 2, 4, 6 (d) 1, 12, 24
- (vi) A number, which is a factor of every number, is
 (a) 0 (b) 2 (c) 1 (d) 3
- (vii) The first multiple of 4 is
 (a) 4 (b) 8 (c) 1 (d) Both (a) and (c)
- (viii) The common factor (except 1) of 112, 133 and 119 is
 (a) 16 (b) 17 (c) 19 (d) 7

2. Which of the following statements are true ?

- (i) Multiple of a number is always greater than or equal to the number itself.
- (ii) Every number is a factor of itself.
- (iii) 1 is a multiple of every natural number.

3. Which natural number has only one factor ?

4. Which natural number is the factor of every natural number ?

5. Which is the smallest factor of 15 ?

6. Find whether 87 is a factor of 1748352 or not.

7. Find :

(i) The eighth multiple of 80.

(ii) The multiples of 5 between 32 and 62.

Teacher's Signature :