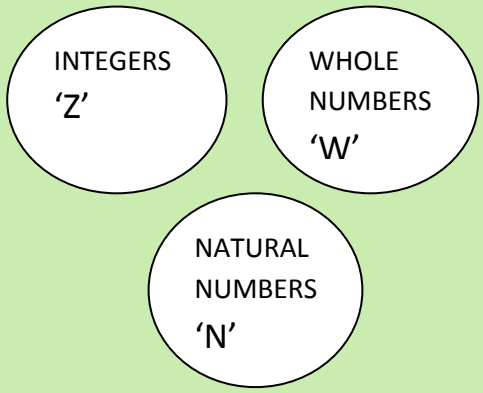
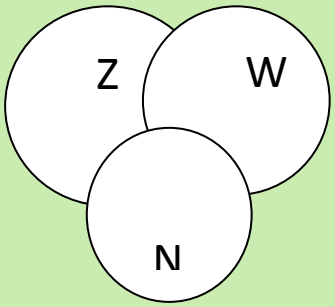
CLASS-VII MATHS CHAPTER-1 INTEGERS WORKSHEET

1. Choose the correct option:

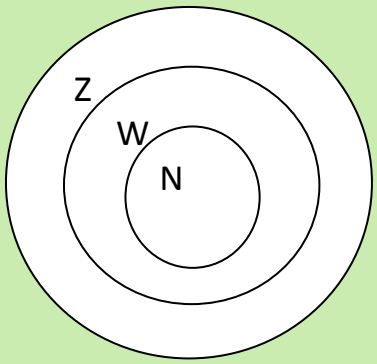
(a)



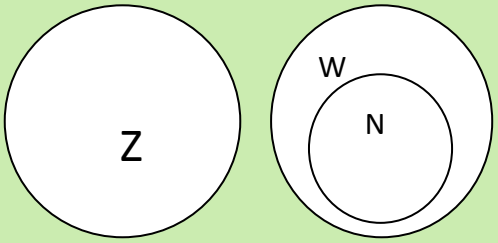
(b)



(c)



(d)



2. If the integers 12, -6, 8, -5, 7, -4, 3 are marked on the number line, the one that comes on the extreme left is

(a) 12 (b) -4 (c) -6 (d) 3

3. Arrange the following integers in ascending order:

-3, 2, 0, -2, -4, 5

4. Arrange the following integers in descending order:

-4, -3, -6, 3, 0, -1

5. How many integers are between '-7' and '10'?

6. Write down a pair of integers whose

(a) sum is '0' (b) difference is '0' (c) sum is '-8' (d) difference is '-6'

7. Calculate: 1-2+3-4+5-6+7-8+9-10

8. Write two integers whose sum is '6' and difference is also '6'.

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9. Write the integer which its own additive inverse.

10. Write two distinct integers whose sum is equals to one of the integer.

11. Write the digits 0, 1, 2, 3, ……. , 9 in this order and insert '+' or '-' between them so as to get the result '3'.

12. Using number line, find the

(a) sum of '-2' and '-5'

(b) -3-2

(c) subtract '-3' from '-2'

(d) 2 x (-3)

(e) four times of '-2'

13. The sum of two integers is '-11'. If one of them is '72', find the other one.

14. The product of three integers is '-85'. If the two integers are '-17' and '-5', find the third one.

15. By how much does '2' exceeds '-5'?

16. Use the sign '>', '<' or '=' to make the statement true:

(a) (-10)-(-12) ☐ (-10) +12

(b) -400+160+82 ☐ -230+80+50

(c) -40+ (-15) +70 ☐ -40+70-(-15)

17. Replace the blank with an integer to make it a true statement:

(a) 90 x _____= -450

(b) _____x (-7) = 560

(c) (-194) ÷ _____= 1

(d) 36 ÷ _____= -3

(e) -45 + _____= -55

18. Fill in the blanks:

(a) Sum of an integer and its additive inverse is _____.

(b) _____ is the absolute value of '-998'.

(c) Sum of two negative integers is always _____.

(d) Multiplicative inverse of '3' is _____.

(e) The equation 7x5=5x7 is explained by _____ property.

19. Match the following:

Column 1	Column 2
(A) a ÷ 0	(1) 0
(B) 1	(2) Distributive property
(C) a x (b + c) = a x b + a x c	(3) Commutative property
(D) 0	(4) Not defined
(E) 0 ÷ a	(5) Additive identity
(F) (a x b) x c = a x (b x c)	(6) Associative property
	(7) Multiplicative identity

20. State true and false. If false, correct the statement:

(a) Multiplicative inverse of '-5' is 1/5.

(b) a-b ≠ a+ (additive inverse of 'b')

(c) a-(-b) = a-(additive inverse of 'b') = a+(additive inverse of '-b')

(d) Subtraction and division of integers do not follow commutative property.

(e) If the number of negative integers in a product is even, then the result is a negative integer.

21. Verify the following:

(a) (-15) x [23+ (-3)] = [(-15) x23] + [(-15) x (-3)]

(b) (-30) x [(-5) x (-2)] = [(-30) x (-5)] x (-2)

22. Evaluate:

(a) 36 ÷ (-9)

(b) [(-16) ÷4] ÷ (-2)

(c) (-21) x [(-4) + (-6)]

23. Verify:

(i) a - (-b) = a + b , when a=70 and b=80

(ii) a ÷ (b + c) ≠ (a ÷ b) + (a ÷ c) , when a=10, b=2, c=3

24. Find the product using suitable properties (Quicker method):

(a) 23x (-10) x (-25) x4

(b) 67x (-5) + (-5) x3

(c) (-55) x (-9) +55

(d) (-125) x23x (-8)

(e) 15 x 12

25. Classify the following words into two categories according to the (+) or (-) sign they assign to the integers:

below, profit, increase, deduction, exceed, loss, descend, above, decrease,

fall, high, rise, low, deposit, win, right, withdraw, left, loose, success,

failure, increment, drop

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