पुथना International School
Shree Swaminarayan Gurukul, Zundal

ASSIGNMENT OF SUMMATIVE -1(2020-21)

CLASS- 7

SUB- MATHS

LESSON -1 INTEGERS

[1 –marks question]

MULTIPLE CHOICE QUESTION

1. Which of the following is the additive inverse of -32?

A**.-32**

B. 32

C . 0

2. Fill in the blanks to make the statement true: (-3) + (-6) = (-6) + ————————

A. -9

B. -3

C. 3

3. The value of 32 x 0 is ————————-

A. 32

B. 320

C**. 0**

4. Which number is known the multiplicative identity for integers?

A**. 1**
B.0
C. -1

5. Determine the integer whose product with (-1) is -32?

A**. 32**
B. -32
C. 1

6. For any integer a, what is (-1) x a equal to?

A. a
B. –a
C. 1

7. Replace the blank with an integer to make it a true statement.
(-2) x —— = 18

A. -9
B. 9
C. 0

8. Fill in the blanks: (-20)/10 = ——

A**. -2**
B. 2
C. 20

9. The sum of two numbers is -24.If one of them is -12, the other number is ———

A**. -12**
B. 12
C. -36

10. -22, -20, -18, -16, —, —, — The next number in the series is ————

A. 14
B**. -14**
C. -18

11. The opposite of Increase in weight is ————————-

A**. Decrease in weight**
B. Loss in weight
C. Gain in weight

12. A deposit of rupees 500. Represent it as integers

A. **+500**
B. -500

C. None of these.

13. The solution of (-7) + (+8) is ————————

A. -15
B. **+1**
C. -1

14. The additive inverse of -2 is ————————

A. -2
B. **+2**
C. 0

15. The integer which is 3 more than 5 is ————-

A**. 8**
B. 2
C. -8

16. The sum of -54 and 54 is —————-

A. -108
B. 108
C. **0**

17. Fill in the blanks: (-7) + ———- =

A. +7
B. -7
C. 0

18. Fill in the blanks: (-5) + ——— = -10

A. -5
B. 0
C. -15

19. The value of (-8) + (-7) + (-5) is ————

A**. -20**
B. 20
C. 10

20. When two negative integers are added, we get a ————————

A. **negative integer**
B. Positive integer
C. Zero

21. The sum of two integers is -42. If one number is -22, the other number is ————————-

A**. -20**
B. -22
C. -64

22. The sum of -3, -7, -5 and +5 is ———

A. 20
B**. -10**

C. 10

23. The ascending order of the following integers 0, 5, -5, 8, -8 are ————————

A**. -8, -5, 0, 5, 8**
B. 8, 5, 0, -5, -8
C. -8, 8, 0, -5, 5

24. Predecessor of -7 is ————

A. -6
B. **-8**
C. -7

25. The successor of -1 is ————-

A. +1
B**. 0**

C. -1

Fill in the blanks:

1.When we subtract -10 from 18 we get _____.

2._____ is an integer which is neither positive nor negative.

3. 272 – 198 – _____ = 0.

4. 15 + _____ =0

5(–5)+(–8)=(–8)+(…….)(–5)+(–8)=(–8)+(…….)

6–53+…… .= –53–53+…… .= –53

717 + ……. = 0

8[13+(–12)]+(…….)=13+[(–12)+(–7)][13+(–12)]+(…….)=13+[(–12)+(–7)]

9(–4)+ [15+(–3)]=[–4+15]+…….

Answer

1.28;

2.0;

3.74;

4.-15

5 (–5)+(–8)=(–8)+(–5)−−−−(–5)+(–8)=(–8)+(–5)_ [Commutative property]

6 –53+0–=–53–53+0_=–53 [Zero additive property]

7 17+(–17)−−−−−=017+(–17)_=0 (Additive identity]

8[13+(12)]+(–7)−−−−=13+[(–12)+(–7)][13+(12)]+(–7)_=13+[(–12)+(–7)] [Associative property]

9 (–4)+[15+(–3)]=[–4+15]+(–3)−−−−(–4)+[15+(–3)]=[–4+15]+(–3)_ [Associative property]

TRUE AND FALSE

1 .If a and b are any two integers such that a > b, then -a > – b.

2 .If the sum of an integer and its opposite is zero, then they are called additive inverses of each other.

3 .The negative of 0 is -0.

4 .The sum of positive and negative integers is always negative

Answer.

1False

2True

3False; zero is neither negative nor positive

4False

[2-marks question]

1. Verify a – (-b) = a + b for the following values of a and b.

i) a = 15, b = 9
ii) a = 75, b = 55

2. Use the sign >, <, or = to make the statements true.

i) (-6) + (-4) …… (-6) – (-4)
ii) (-2) + 6 – (12) …….. 14 – 9 + (-8)

3. Write down a pair of integers whose

i) Sum is -4
ii) Difference is -6

4. Fill in the blanks to make the following statements true:

i) (-3) + (-7) = (-7) + ———

ii) -65 + ———- = -65

iii) 23 + ——— = 0

iv) [12 + (-4)] + —- = 12 + [(-4) + (-7)]

5. Find each of the following products:

i) (-65) x (-10) x 9

ii) (-20) x (-2) x (-3) x (5)

6. Find each of the following products:

i) (-12) x 0 x (-56)

ii) (-654) x 1

iii) (-1) x (-2) x (-3) x (-4)

7. Determine the integer whose product with (-1) is

i) -26

ii) 26

iii) 0

8. Find the product using suitable properties:

i) 25 x (-42) + (-42) x (-35)

ii) 25 x (-76) x 4

9. Simplify

i) 35 – (2 x 5) + 15

ii) -25 x 102

10. Write a pair of negative integers whose difference gives 6.

11 Solve: 536 × (–35) + (– 536) × 65 = _____

.

12 Solve: (– 4) × (–2 – 8) = _____

.

13 Solve: (–25) × 37 × 4 = _____

.

14 Solve: 52 × (– 8) + (–52) × 2 = _____

.

15 Solve: 11 ÷ (–1) = _____

.

16 Solve: 13 ÷ [(–2) + 1] = _____

.

17 Solve: 26 × (– 48) + (– 48) × (–36) = _____

.

18 Fill in the blanks: (–31) ÷ [(–30) + (–1)] = _____

[3-marks question]

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1An elevator descends into a mine shaft at the rate of 5 m/min. If the descent starts from 50 m above the ground level, how long will it take to reach – 150 m.

2.Write all the integers between -8 and -15. (Write them in the increasing order.)

3Solve: 536 × (–35) + (– 536) × 65 = _____

4.Find the each of the following products:

(a) 3 x (–1)

(b) (–1) x 225

(c) (–21) x (–30)

(d) (–316) x (–1)

(e) (–15) x 0 x (–18)

(f) (–12) x (–11) x (10)

(g) 9 x (–3) x (–6)

(h) (–18) x (–5) x (–4)

(i) (–1) x (–2) x (–3) x 4

5 The temperature on a certain morning is -11℃ at 5 a. m. If the temperature drops 3 degree at 6 a.m. and rises 5 degree at 8 a.m. and again drops 3 degree at 9 a.m. What is the temperature at 9 a.m.?

6.In a quiz, team A scored –40,10,0–40,10,0 and team B scores 10, 0, –40–40 in three successive rounds. Which team scored more? Can we say that we can add integers in any order?