

CLASS VII – MATHEMATICS – CHAPTER 01

INTEGERS

Name: _____

Date: _____

- 01.** $6 \times (-15) =$ _____
(a). 90 (b). -90 (c). -21 (d). 21
- 02.** $(-4) \times (-3) \times (-2) =$ _____
(a). 24 (b). 9 (c). -24 (d). -9
- 03.** $(-2) \times (3 + 5) =$ _____
(a). -10 (b). 10 (c). 16 (d). -16
- 04.** $(-12) \div (-6) =$ _____
(a). 2 (b). -2 (c). 6 (d). -6
- 05.** $5 \times (-4) =$ _____
(a). 20 (b). -20 (c). -9 (d). 9
- 06.** $(-5) \times (-4) \times (-3) =$ _____
(a). 60 (b). 12 (c). -60 (d). -12
- 07.** $(-4) \times [(-2) + 7] =$ _____
(a). -1 (b). 20 (c). 1 (d). -20
- 08.** $(-20) \div (5) =$ _____
(a). -4 (b). 4 (c). 15 (d). -15
- 09.** $(-3) \times 5 =$ _____
(a). 15 (b). -15 (c). 2 (d). -2
- 10.** $(-2) \times (-5) \times (-3) =$ _____
(a). 30 (b). 10 (c). -30 (d). -10
- 11.** $(-8) \times [(-2) + (-1)] =$ _____
(a). 11 (b). -24 (c). -11 (d). 24
- 12.** $72 \div (-8) =$ _____
(a). -9 (b). 9 (c). 80 (d). -80
- 13.** $(-5) \times 6 =$ _____
(a). 30 (b). -30 (c). 11 (d). -11
- 14.** $(-6) \times (-4) \times (-2) =$ _____
(a). 48 (b). 12 (c). -48 (d). -12
- 15.** $10 \times [(6 + (-2))] =$ _____
(a). 80 (b). -40 (c). -80 (d). 40
- 16.** $21 \div (-3) =$ _____
(a). -7 (b). 7 (c). 18 (d). -18

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17. $(-3) \times (-4) =$ _____
(a). -12 (b). 12 (c). 7 (d). -7
18. $(-7) \times (-2) \times (-1) =$ _____
(a). 14 (b). 10 (c). -14 (d). -10
19. $(-15) \times [(-7) + (-1)] =$ _____
(a). 23 (b). -120 (c). -23 (d). 120
20. $45 \div (-3) =$ _____
(a). -15 (b). 15 (c). 48 (d). -48
21. At Shimla temperature was -5°C on Monday and then it dropped by 2°C on Tuesday. What was the temperature of Shimla on Tuesday?
(a). -7°C (b). -3°C (c). 3°C (d). 7°C
22. A plane is flying at the height of 5000 m above the sea level. At a particular point, it is exactly above a submarine floating 1200 m below the sea level. What is the vertical distance between them?
(a). 6200 m (b). 4800 m (c). 4000 m (d). 6000 m
23. At Srinagar temperature was -5°C on Monday. On Wednesday, it rose by 4°C . What was the temperature on this day?
(a). -1°C (b). -9°C (c). 1°C (d). 9°C
24. In a quiz, positive marks are given for correct answers and negative marks are given for incorrect answers. If John's scores in five successive rounds were 25, -5, -10, 15 and 10. what was his total at the end?
(a). 35 (b). 65 (c). 50 (d). 45

Q01. Fill in the blanks:

- (a). On a number line when we add a _____ integer, we move to the right.
- (b). The additive inverse of any integer a is _____.
- (c). For any two integers a and b , $a + b$ is an _____.
- (d). For any integer a , $a \times 0 = 0 \times a =$ _____.
- (e). For any integer a , $a + 0 = a =$ _____.
- (f). For any integer a , $a \times 1 = 1 \times a =$ _____.
- (g). On a number line when we add a _____ integer, we move to the left.
- (h). The additive inverse of any integer _____ is a .
- (i). For any two integers a and b , we can say $a + b =$ _____.
- (j). For all integers a and b , $a \times b$ is an _____.
- (k). On a number line when we subtract a _____ integer, we move to the left.
- (l). The _____ of any integer a is $-a$.
- (m). For any integers a , b and c , we can say $a + (b + c) =$ _____.
- (n). For any two integers a and b , $a \times b =$ _____.
- (o). On a number line when we subtract a _____ integer, we move to the right.

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(p). The _____ of any integer $(-a)$ is a .

(q). For any three integers a, b and c , $(a \times b) \times c =$ _____.

(r). When two positive integers are added we get a _____ integer.

(t). For any two integers a and b , $a - b = a +$ additive inverse of $b = a +$ _____.

(u). $(-5) + (\dots\dots\dots) = (-8) + (\dots\dots\dots)$

Q02. Find:

(a). $(-36) \div (-4)$

(b). $(-201) \div (-3)$

(c). $(-54) \div 9$

(d). $(-261) \div (-3)$

(e). $125 \div (-25)$

(f). $(-325) \div (-13)$

(g). $80 \div (-5)$

(h). $64 \div (-16)$

(i). $90 \div (-45)$

(j). $(-136) \div 4$

Q03. In a test (+5) marks are given for every correct answer and (-2) marks are given for every incorrect answer. Radhika answered all the questions and scored 30 marks though she got 10 correct answers.

Q04. In a class test containing 15 questions, 4 marks are given for every correct answer and (-2) marks are given for every incorrect answer. Gurpreet attempts all questions but only 9 of her answers correct. What is her total score?

Q05. In a test (+5) marks are given for every correct answer and (-2) marks are given for every incorrect answer. Jay answered all the questions and scored (-12) marks though he got 4 correct answers. How many incorrect answers had they attempted?

Q06. In a class test containing 15 questions, 4 marks are given for every correct answer and (-2) marks are given for every incorrect answer. One of her friends gets only 5 answers correct. What will be her score?

Q07. A shopkeeper earns a profit of Re 1 by selling one pen and incurs a loss of 40 paise per pencil while selling pencils of her old stock. In a particular month she incurs a loss of Rs 5. In this period, she sold 45 pens. How many pencils did she sell in this period?

Q08. Suppose we represent the distance above the ground by a positive integer and that below the ground by a negative integer. An elevator descends into a mine shaft at the rate of 5 metres per minute. What will be its position after one hour?

Q09. A shopkeeper earns a profit of Re 1 by selling one pen and incurs a loss of 40 paise per pencil while selling pencils of her old stock. In a particular month she incurs a loss of Rs 5. In this period, she sold 45 pens. In the next month she earns neither profit nor loss. If she sold 70 pens, how many pencils did she sell?

Q10. Suppose we represent the distance above the ground by a positive integer and that below the ground by a negative integer. If it begins to descend from 15 m above the ground, what will be its position after 45 minutes?

Q11. The temperature at 12 noon was 10°C above zero. If it decreases at the rate of 2°C per hour until midnight, at what time would the temperature be 8°C below zero?

Q12. A certain freezing process requires that room temperature be lowered from 40°C at the rate of 5°C every hour. What will be the room temperature 10 hours after the process begins?