

Class: VII
Subject: Math's
Topic: Integers
No. of Questions: 20

Q.1 Fill in the blanks:

a) $(-19) \times 7 \times 0 \times (-5) \times 2 =$ _____

b) $(-5) \times 10 \times (-100) =$ _____

c) _____ is the identity element of multiplication.

d) Additive inverse of -2001 is _____

Q.2 Subtract -134 from the sum of 38 and -87

Q.3 Simplify $15 \times (-32) + 15 \times (-18)$

Q.4 In a class test containing 20 questions, 4 marks are given for every correct answer and (-2) marks for every incorrect answer. A student attempts all questions and 12 of her answers are correct. What is her total score?

Q.5 Solve $(-70) \times (10-5-22-83)$

Q.6 Find the product of $(-4) \times (-5) \times (-8) \times (-10)$

Q.7 A certain freezing process requires that room temperature to be lowered from 40°C at the rate of 5°C every hour. What will be the room temperature 12 hours after the process begins?

Q.8 Compare $18 \times (-3) + 21$ and $18 \times [(-3) + 21]$

Q.9 $(-23) \times 48 = ?$

Q.10 Compute $242 \times (-95) + 242 \times (-4) - 242$

Q.11 Put the appropriate sign:

a) $16 \div (-4) = \underline{\quad} 4$

b) $(-105) \div (-7) = \underline{\quad} 15$

c) $(+25) \div (-25) = \underline{\quad} 1$

d) $(-21) \div (+39) = \underline{\quad} 7$

Q.12 Verify that $a \div (b+c) \neq (a \div b) + (a \div c)$ for $a=12, b=-4, c=2$

Q.13 Evaluate $13 \div [(-2)+1]$

Q.14 $[(-6)+5] \div [(-2) + 1] = ?$

Q.15 Find the value of $[(-36) \div 12] \div 3$

Q.16 Compare $(-31) \div [(-30)+(-1)]$ and $[(-31) \div (-31)] + (-1)$

Q.17 $? \div (-18) = -5$

Q.18 An elevator descends into a mine shaft at the rate of 6m/min. If the descent starts from 20m above the ground level, how long will it take to reach -370m?

Q.19 A shopkeeper gains Re.1 on each pen and loses 40 paise on each pencil. He sells 45 pens and some pencils losing Rs. 5 in all. How many pencils does he sell?

Q.20 Write 5 pairs of integers (a,b) such that $a \div b = -3$

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