

Anita's Coaching Classes
Integers

Marks : 30
Time : 1 ½ hrs

Q.1 The product of two numbers is 105. If one number is -7. What is the other number? [2]

Q.2 Evaluate using properties wherever necessary [6]

I. $(-89) \times 115$

II. $(-742) \times (-9) + (-742)$

III. $(-4125) \times (-1)$

IV. 6023×0

Q.3 Fill in the blanks and write the property used in each of the following : [4]

1) $(-15) \times 87 = \text{-----} \times (-15)$

2) $(-32) + [(-3) + 8] = \text{-----} + 8$

3) $(-27) + \text{-----} = \text{-----} + (-27) = 0$

4) $(-476) \times \text{-----} = \text{-----} \times (-476) = (-476)$

Q.4 Verify $(-70) \times [17 + (-13)] = [(-70) \times 17] + [(-70) \times (-13)]$ and state the property used. [3]

Q.5 Find the sum: [4]

(i) -256 and 328

(ii) 2002 and -135

Q.6 If $a = -5$, $b = -6$ and $c = 8$, then show that [4]

(i) $(a + b) + c = a + (b + c)$,

(ii) $(a - b) \neq (b - a)$.

Q.7 Divide.

[2]

(i) 24 by -3

(ii) 0 by +8

Q.8 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? [2]

Q.9 In a class test containing 15 questions, 4 marks are given for every correct answer and (-2) marks are correct. What is her total score? (ii) One of her friends gets only 5 answers correct. What will be her score? [3]