**Q1: Choose the best option:**

i.   Which of the following gives least answer
   a) | -3-9| b) opposite of 8   c) Additive inverse of 9   d) -2 x -7

ii.   A line segment has _____ bisectors
   a) No   b) Unique   c) infinite   d) two

iii.   After attaining height of 4030ft, the engine fell into ocean into depth of 1010ft, how far did it fell?
   a) 3020   b) 5040   c) 4030   d) -1010

iv.   (-11+2) × 3 ÷ 9 is equals to
   a) 23   b) 3   c) -3   d) 27

v.   The temperature was 11 degrees Celsius in the beginning then temperature falls down to 7 degrees Celsius. Find the new temperature?
   a) 3°C   b) 4°C   c) -3°C.   d) -4°C

vi.   If (-50) ÷ x = 1 then x is
   a) 1   b) 50   c) 10   d) -50

Q2: Fill in the blanks according to figure.

i.   _____is a right bisector of line segment $\overline{AB}$.

ii.   _____ is a bisector but not the right bisector.

iii.   If m$\overline{OB}$ is 3.5cm then m$\overline{OA}$ is _____

iv.   m$\overline{AB}$ is _____

v. $\overline{JK}$ is perpendicular to _____
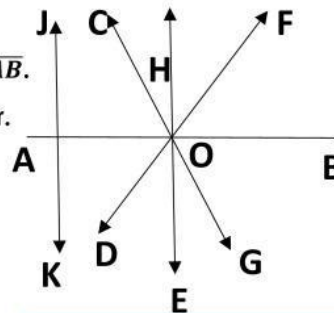
Q3: Guess who I am?

I am less than -2 but greater than opposite of 4.

I am _____

I am unique number which when multiplied by a number get the number itself.

I am _____

Q4: Which of the following statement(s) are same as -2 x -4

i)   2 times addition of opposite of 4
ii)   2 groups of –(-4)
iii)   2 x 4
iv)   (-4) + (-4)
v)   –(-4) – (-4)

Q5: Identify following statements as true or false:

i.   Sum of a number and its additive inverse is Additive identity.   True / False
ii.   Product of -11 and 16 is 176.   True / False
iii.   Least negative integer is -1.   True / False
iv.   You have Rs 600 in bank account. You withdraw Rs 300 and deposit Rs 500. Your new balance is Rs 800.   True / False
v.   Quotient of -1515 and -15 is 11.   True / False

Q6: Which of the solution is correct for simplification of -72 ÷ [-33 + 3 x 9]

Option 1:
-72 ÷ [-36 + 3 x 9]
-72 ÷ -36 + 3 x 9
2 + 3 x 9
5 x 9
45

Option 2:
-72 ÷ [-36 + 3 x 9]
-72 ÷ [-36 + 27]
-72 ÷ 9
-8

Option 3:
-72 ÷ [-36 + 3 x 9]
-72 ÷ [-36 + 27]
-72 ÷ -9
8

Q7: Match the statement with simplified correct answer:

i. | -15 x opposite of multiplicative identity |

ii.   -(-8) + (-23)

iii.   Subtract -5 from 20

iv.   -6 added to product of 3 and -3

v.   Quotient of additive inverse of 45 and -3

-15

25

15
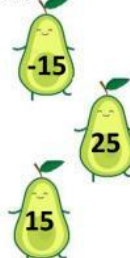
Q8: How many integers lies between -8 and 2?
   a) 7
   b) 4
   c) 0
   d) 9

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