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Std. VII Div. D

ODM CONNECT WORKSHEET chapter 01

1) $(-11) \times 7$ is not equal to
   a) $11 \times (-7)$
   b) $-(11 \times 7)$
   c) $(-11) \times (-7)$
   d) $7 \times (-11)$

2) $(-10) \times (-5) + (-7)$ is equal to
   a) -57
   b) 57
   c) -43
   d) 43

3) Which of the following is the multiplicative identity for an integer 0?
   a) 0
   b) 1
   c) 0
   d) -1

4) $[(-8) \times (-3)] \times (-4)]$ is not equal to
   a) $(-8) \times [(-3) \times (-4)]$
   b) $[(-8) \times (-4)] \times (-3)$
   c) $[(-3) \times (-8)] \times (-4)$
   d) $(-8) \times (-3) - (8) \times (-4)$

5) $(-25) \times [6 + 4]$ is not same as
   a) $(-25) \times 10$
   b) $(-25) \times 6 + (-25) \times 4$
   c) $-25 \times 6 \times 4$
   d) -250

6) Encircle the odd one of the following. (Questions 6 to 10)

a) $(-9) \times 5 \times 6 \times (-3)$

b) $9 \times (-5) \times 6 \times (-3)$

c) $(-9) \times (-5) \times (-6) \times 3$

d) $9 \times (-5) \times (-6) \times 3$

7) a) $(-100) \div 5$

b) $(-81) \div 9$

c) $(-75) \div 5$

d) $(-32) \div 9$

8) a) $(-1) \times (-1)$

b) $(-1) \times (-1) \times (-1)$

c) $(-1) \times (-1) \times (-1) \times (-1)$

d) $(-1) \times (-1) \times (-1) \times (-1) \times (-1) \times (-1)$

9) a) $(-3, 3)$

b) $(-5, 5)$

c) $(-6, 1)$

d) $(-8, 8)$

10) a) $(-1, -2)$

b) $(-5, 2)$

c) $(-4, 1)$

d) $(-9, 7)$

11) Evaluate

i) $427 \times 8 + 2 \times 427$

ii) $394 \times 12 + 394 \times (-2)$

12) ~~Verify:~~

Answers

i) $427 \times (8+2)$
$= 427 \times 10 = 4270$

ii) $394 \times (12-2)$
$= 394 \times 10 = 3940$

12) Verify:

i) $37 \times \{8+(-3)\} = 37 \times 8 + 37 \times (-3)$

LHS = $37 \times \{8+(-3)\}$
$37 \times \{8-3\}$
$37 \times 5 = 185$

RHS = $37 \times 8 + 37 \times (-3)$
$37 \times (8-3)$
$37 \times 5 = 185$

Hence LHS = RHS.

ii) $(-82) \times \{(-4)+19\} = (-82) \times (-4) + (-82) \times 19$.

LHS = $(-82) \times \{(-4)+19\}$
$(-82) \times \{-4+19\}$
$(-82) \times \{15\} = -1230$

RHS = $(-82) \times (-4) + (-82) \times 19$
$(-82) \times (-4+19)$
$-82 \times 15 = -1230$

Hence LHS = RHS.

13) Eighteen integers are multiplied together. What will be the sign, if:

i) 15 of them are negative and 3 are positive
Negative sign (−)

ii) 12 of them are negative and 6 are positive
positive sign (+)

iii) 9 of them are positive and the remaining are negative
Negative sign (−)

iv) all are negative
Positive sign (+)

14) Evaluate

i) $42 \div 7 + 4$
$= 6 + 4$
$= 10$

ii) $12 + 18 \div 3$
$= 12 + 6$
$= 18$

iii) $19 - 20 \div 4$
$= 19 - 5$
$= 24$

iv) $16 - 5 \times 3 + 4$
$= 16 - 15 + 4$
$= 16 - 19 = -3$

15) $45 - [38 - \{60 \div 3 - (6 - 9 \div 3) \div 3\frac{3}{8}\}]$

$45 - [38 - \{60 \div 3 - (6 - 9 \div 3) \div 3\}]$

$= 45 - [38 - \{60 \div 3 - (6 - 3) \div 3\}]$

$= 45 - [38 - \{60 \div 3 - 3 \div 3\}]$

$= 45 - [38 - \{20 - 1\}]$

$= 45 - [38 - 19]$

$= 45 - 19 = 26.$

16) $88 - \{5 - (-48) \div (-16)\}$

$88 - \{5 - (-48) \div (-16)\}$

$= 88 - \left\{5 - \frac{-48}{-16}\right\}$

$= 88 - \{5 - 3\}$

$= 88 - 2 = 86.$

17) add the product of (-13) and (-17) to the quotient of (-187) and 11.

$-17 \times -13 = 17 \times 13 = 221.$

$(-187) \div 11 = -17$

$A/Q = 221 + (-17) = 221 - 17 = 204$