

Assignment 10

1. Find the product of the following.

(a) $7 \times (-9)$

(b) $(-14) \times (-6)$

(c) $(-25) \times 0$

(d) $(-18) \times 5$

(e) $13 \times (-11)$

(f) $(-16) \times (-7)$

2. Simplify the following.

(a) $(-2) \times (-3) \times (-4) \times (-5)$

(b) $-8 + 3 \times (6 - 11)$

(c) $9 - 7 \times (8 - 12)$

(d) $(-125) \times (24) \times (0) \times (15)$

(e) $(-9) \times 6 + (-9) \times 4$

(f) $11 \times (-13) + 11 \times (-7)$

(g) $145 \times (-32) + (-145) \times 68$

(h) $36 \times (-25) \times (-2)$

(i) $(-12) \times (-5) + (-12) \times (-15)$

(j) $(-40) + 8 \times (7 - 13)$

3. Fill in the blanks to make the statements true.

(a) The product of an even number of negative integers is always _____.

(b) The product of a positive integer and a negative integer is always _____.

(c) Multiplicative identity for integers is _____.

(d) Any integer multiplied by zero gives _____.

(e) Additive inverse of -25 is _____.

(f) Division of two negative integers gives a _____ integer.

4. Solve the following word problems.

(a) A submarine descends at the rate of 9 m/min. If it starts from 18 m above sea level, how deep will it be after 8 minutes?

(b) The product of two integers is -432 . One integer is 16 . Find the other integer.

(c) In a quiz competition, a correct answer gives 4 marks and a wrong answer deducts 3 marks. Riya answered all 15 questions and scored 33 marks. How many answers were correct?

(d) A lift moves down 7 floors every minute. If it starts from the 12 th floor, where will it be after 4 minutes?

(e) The temperature of a city was 6°C in the morning. It dropped by 4°C every hour for 5 hours. What was the final temperature?

5. Solve the following:

(a) $(-15) \times (-4) \times (-2) \times 5$

(b) $125 \times (-48) + (-125) \times 52$

(c) $(-18) + 6 \times [9 - (14 - 20)]$

(d) Find the integer which when multiplied by -24 gives 600 .

(e) If (-1) is multiplied 57 times, what will be the result?