

CBSE Worksheet-01
CLASS - VII Mathematics (Integers)

Choose correct option in questions 1 to 5.

1. 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 1500 m below the sea level. What is the vertical distance between them?
a. 6500 m b. 3500 m c. 3000 m d. 6000 m
2. $(-5) \times 6 =$ _____
a. 30 b. -30 c. 11 d. -11
3. $(-6) \times (-4) \times (-2) =$ _____
a. 48 b. 12 c. -48 d. -12
4. $10 \times [(6 + (-2))] =$ _____
a. 80 b. -40 c. -80 d. 40
5. $21 \div (-3) =$ _____
a. -7 b. 7 c. 18 d. -18

Fill in the blanks:

6. On a number line when we subtract a _____ integer, we move to the right.
7. The _____ of any integer $(-a)$ is a .
8. For any integer a , $a + 0 = a =$ _____.
9. For any three integers a, b and c , $(a \times b) \times c =$ _____.
10. Find:
 1. $80 \div (-5)$
 2. $64 \div (-16)$
11. A shopkeeper earns a profit of Re 1 by selling one pen and incurs a loss of 40 paise per pencil while selling pencils of her old stock. In a particular month she incurs a loss of Rs 5. In a month she earns neither profit nor loss. If she sold 70 pens, how many pencils did she sell?
12. Suppose we represent the distance above the ground by a positive integer and that below the ground by a negative integer. If an elevator descends at a rate of 5m/min and begins to descend from 15 m above the ground, what will be its position after 45 minutes?

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Answer key

1. a
2. b
3. c
4. d
5. a
6. negative
7. additive inverse
8. $0 + a$
9. $a \times (b \times c)$
10.
 1. -16
 2. -4
11. 175 pencils
12. The final position of the elevator = $-225 + 15 = -210$ m, i.e., 210 m below ground level.