

EXERCISE 1(C)

Evaluate :

1. $18 - (20 - 15 \div 3)$
2. $-15 + 24 \div (15 - 13)$
3. $35 - \{15 + 14 - (13 + \overline{2-1+3})\}$
4. $27 - \{13 + 4 - (8 + 4 - \overline{1+3})\}$
5. $32 - [43 - \{51 - (20 - \overline{18-7})\}]$
6. $46 - [26 - \{14 - (15 - 4 \div 2 \times 2)\}]$
7. $45 - [38 - \{60 \div 3 - (6 - 9 + 3) \div 3\}]$
8. $17 - [17 - \{17 - (17 - \overline{17-17})\}]$
9. $2550 - [510 - \{270 - (90 - \overline{80+7})\}]$
10. $30 + [(-2 \times (25 - \overline{13-3}))]$
11. $88 - \{5 - (-48) \div (-16)\}$
12. $9 \times (8 - \overline{3+2}) - 2(2 + \overline{3+3})$
13. $2 - [3 - \{6 - (5 - \overline{4-3})\}]$

EXERCISE 1(D)

1. The sum of two integers is -15 . If one of them is 9 , find the other.
2. The difference between an integer x and -6 is -5 . Find the values of x .
 $x - (-6) = -5$ or $-6 - x = -5$
3. The sum of two integers is 28 . If one integer is -45 , find the other.
4. The sum of two integers is -56 . If one integer is -42 , find the other.
5. The difference between an integer x and (-9) is 6 . Find all possible values of x .
6. Evaluate :
 - (i) $(-1) \times (-1) \times (-1) \times \dots \dots \dots$ 60 times.
 - (ii) $(-1) \times (-1) \times (-1) \times (-1) \times \dots \dots \dots$ 75 times.
7. Evaluate :

(i) $(-2) \times (-3) \times (-4) \times (-5) \times (-6)$	(ii) $(-3) \times (-6) \times (-9) \times (-12)$
(iii) $(-11) \times (-15) + (-11) \times (-25)$	(iv) $10 \times (-12) + 5 \times (-12)$
8. (i) If $x \times (-1) = -36$, is x positive or negative ?
 (ii) If $x \times (-1) = 36$, is x positive or negative ?

9. Write all the integers between -15 and 15 , which are divisible by 2 and 3 .
10. Write all the integers between -5 and 5 , which are divisible by 2 or 3 .
11. Evaluate :
- (i) $(-20) + (-8) \div (-2) \times 3$ (ii) $(-5) - (-48) \div (-16) + (-2) \times 6$
- (iii) $16 + 8 \div 4 - 2 \times 3$ (iv) $16 \div 8 \times 4 - 2 \times 3$
- (v) $27 - [5 + \{28 - (29 - 7)\}]$ (vi) $48 - [18 - \{16 - (5 - \overline{4 + 1})\}]$
- (vii) $-8 - \{-6(9 - 11) + 18 \div -3\}$ (viii) $(24 \div \overline{12 - 9} - 12) - (3 \times 8 \div 4 + 1)$
12. Find the result of subtracting the sum of all integers between 20 and 30 from the sum of all integers from 20 to 30 .
13. Add the product of (-13) and (-17) to the quotient of (-187) and 11 .
14. The product of two integers is -180 . If one of them is 12 , find the other.
15. (i) A number changes from -20 to 30 . What is the increase or decrease in the number ?
- (ii) A number changes from 40 to -30 . What is the increase or decrease in the number ?
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