

NUMBERS : CPP-2

1. Evaluate the following:

(i) $-8 - 24 + 31 - 26 - 28 + 7 + 19 - 18 - 8 + 33$

(ii) $-26 - 20 + 33 - (-33) + 21 + 24 - (-25) - 26 - 14 - 34$.

2. Subtract the sum of -5020 and 2320 from -709 .

3. Fill in the blanks:

(i) $-7 + \dots = 0$.

(iii) $-14 + \dots = 22$.

(ii) $132 + (-132) = \dots$.

(iv) $\dots - 1234 = -4539$.

4. On subtracting -7 from -14 we get \dots .

5. If Δ is an operation on integers such that for integers a and b , $a \Delta b = a - b - (-2)$.

Find the value of: (i) $2 \Delta 3$

(ii) $(-3) \Delta (-4)$

6. Using the number line, write the integer which is:

(i) 2 more than 3.

(ii) 4 more than -9 .

7. Calculate: $1 - 2 + 3 - 4 + 5 - 6 + \dots + 15 - 16$.

8. Simplify:

(i) $(-2) \times (-3) \times 6 \times (-1)$

(ii) $(-12) \times (-9) - 6 \times (-8)$