

Exercise 1.8

Q.1 Write the expression for each of the following using brackets.

- (i) Four Multiplied by the Sum of 13 and 7.
 (ii) Eight Multiplied by the difference of four from nine.
 (iii) Divide the difference of twenty eight and seven by 3.
 (iv) The Sum of 3 and 7 is multiplied by the difference of twelve and eight.

Solution (i) $4 \times (13 + 7)$

(ii) $8 \times (9 - 4)$

(iii) $(28 - 7) \div 3$

(iv) $(3 + 7) \times (12 - 8)$

Q.2 Simplify each of the following.

(i) $124 - (12 - 2) \times 9$

(ii) $(13 + 7) \times (9 - 4) - 18$

(iii) $210 - (14 - 4) \times (18 + 2) - 10$

Sol: (i) $124 - (12 - 2) \times 9$

$= 124 - (10 \times 9)$

$= 124 - 90 = 34$

$$(ii) (13+7) \times (9-4) - 18$$

$$= (20 \times 5) - 18$$

$$= 100 - 18$$

$$= 82$$

$$(iii) 210 - (14-4) \times (18+2) - 10$$

$$= 210 - (10 \times 20) - 10$$

$$= 210 - 200 - 10$$

$$= 10 - 10$$

$$= 0$$

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