

Order of Operations with Exponents

(i) $(3^2 - 6 \div 3) \times 8$

(ii) $(6 + 6^2) \times 3$

(iii) $6^2 - 3 \times (3^2 \times 2) + 5$

(iv) $5^3 - 54 + 8 \times 3$

(v) $5 + 2^3 \times (22 \div 11) - 3^2 \times (4 + 5)$

(vi) $5 + 21 \div 3 \times 2^3 - 61$

(vii) $7 + 2^2 \times 6 + 2^2 - 6$

(viii) $2 \times 5 + 3^2 - 96 \div 4$

(ix) $12 \div 4 \times 4^2 \times 2^2$

(x) $5^2 \times 5 - 67$

(xi) $33 + 10 - 4^2 \div 2^3 \times 31$

(xii) $6^2 - 24 \div 2^3 + 14 \times 3$

(xiii) $9 \times 9^2 \div 3^3 - 14$

(xiv) $12 + 5 \times 5^3 \div 5 - 11$

(xv) $2^3 + 45 \div 9$

Ans . (i) 56 (ii) 126 (iii) -13 (iv) 95 (v) -60 (vi) 0 (vii) 29 (viii) -5 (ix) 67 (x) 58 (xi) -19 (xii) 75 (xiii) 13 (xiv) 126 (xv) 13