

**BODMAS Simplification Questions For Class 5**

**BODMAS Simplification Questions For Class 5 (Solved examples)**

(i)  $12-[6\div 3+\{8\div 2(8-6)\}]$

**Solution :**  $12-[6\div 3+\{8\div 2(8-6)\}] = 12-[6\div 3+\{8\div 2 \times 2\}]$   
 $= 12-[6\div 3+\{4 \times 2\}]$   
 $= 12-[6\div 3+ 8]$   
 $= 12-[2+ 8]$   
 $= 12- 10$   
 $= 2$

(ii)  $0.34 \div 1.7 + 45 \times 2$

**Solution:**  $0.34 \div 1.7 + 45 \times 2 = 0.34 \div 1.7 + 45 \times 2$   
 $= 0.2 + 45 \times 2$   
 $= 0.2 + 90$   
 $= 90.2$

(iii)  $\{[(45 + 90 \div 3 \times 6) \times 2] \div \frac{1}{2}\} \times 56$

**Solution:**  $\{[(45 + 30 \times 6) \times 2] \div \frac{1}{2}\} \times 56$   
 $= \{[(45 + 180) \times 2] \div \frac{1}{2}\} \times 56$   
 $= [450 \div \frac{1}{2}] \times 56$   
 $= 225 \times 56$   
 $= 12600$

(iv)  $\frac{2}{5} + \frac{3}{4} \times \frac{4}{5} \div \frac{6}{5}$

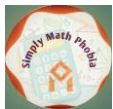
**Solution :**  $\frac{2}{5} + \frac{3}{4} \times \frac{4}{5} \div \frac{6}{5} = \frac{2}{5} + \frac{3}{4} \times \frac{4}{5} \times \frac{5}{6}$   
 $= \frac{2}{5} + \frac{3}{4} \times \frac{4}{6}$   
 $= \frac{2}{5} + \frac{3}{6}$   
 $= \frac{2}{5} + \frac{1}{2}$   
 $= \frac{4+5}{10}$   
 $= \frac{9}{10}$

(v)  $45 + 34 \div 2 \times 80 \div 16 \times 3$

**Solution:**  $45 + 34 \div 2 \times 80 \div 16 \times 3$   
 $= 45 + 17 \times 5 \times 3$   
 $= 45 + 255$   
 $= 300$

(vi)  $2 [2 + 2 \{39 - 2 (17 + 2)\}]$

**Solution:**  $2 [2 + 2 \{39 - 2 (17 + 2)\}]$



$$\begin{aligned} &=2 [2 + 2 \{39 - 2 \times 19\}] \\ &=2 [2 + 2 \{39 - 38\}] \\ &=2 [2 + 2 \times 1] \\ &= 2 \times 4 \\ &= 8 \end{aligned}$$

(vii)  **$(3 + 3) \times (3 \div 3) \times (3 \times 3)$**   
Solution:  $(3 + 3) \times (3 \div 3) \times (3 \times 3)$   
 $=6 \times 1 \times 9$   
 $=54$

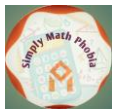
(viii)  **$[90 - 77 \div 11 - 9] + (18 - 6) \div 4$**   
Solution:  $[90 - 77 \div 11 - 9] + (18 - 6) \div 4$   
 $=[90 - 7 - 9] + 12 \div 4$   
 $=74 + 12 \div 4$   
 $=74 + 3$   
 $=77$

(ix)  **$[27 - 2 \{12 - (7 - 3)\}] + [3 \times \{5 + 6 \times 5\}]$**   
Solution:  $[27 - 2 \{12 - (7 - 3)\}] + [3 \times \{5 + 6 \times 5\}]$   
 $=[27 - 2 \{12 - 4\}] + [3 \times \{5 + 30\}]$   
 $=[27 - 2 \times 8] + [3 \times 35]$   
 $=[27 - 16] + 105$   
 $=11 + 105$   
 $=116$

(x)  **$[4 \times (6 - 2)] - [9 + 3 \{4 - (2 \times 1)\}]$**   
Solution:  $[4 \times (6 - 2)] - [9 + 3 \{4 - (2 \times 1)\}]$   
 $=[4 \times 4] - [9 + 3 \{4 - 2\}]$   
 $=16 - [9 + 3 \times 2]$   
 $=16 - [9 + 6]$   
 $=16 - 15$   
 $=1$

(xi)  **$[12 - (4 \times 2)] + [5 \{7 - (4 + 1)\}]$**   
Solution:  $[12 - (4 \times 2)] + [5 \{7 - (4 + 1)\}]$   
 $=[12 - 8] + [5 \{7 - 5\}]$   
 $=4 + [5 \times 2]$   
 $=4 + 10$   
 $=14$

(xii)  **$[20 - 3 \{8 - (4 - 2)\}] + [2 \times \{6 + 3 \times 2\}]$**   
Solution:  $[20 - 3 \{8 - (4 - 2)\}] + [2 \times \{6 + 3 \times 2\}]$   
 $=[20 - 3 \{8 - 2\}] + [2 \times \{6 + 6\}]$   
 $=[20 - 3 \times 6] + [2 \times 12]$



$$\begin{aligned} &= [20 - 18] + [2 \times 12] \\ &= 2 + 24 \\ &= 26 \end{aligned}$$

(xiii)  $[3 \{5 - (2 \times 1)\}] - [6 - 2 \{5 - (3 \times 1)\}]$   
Solution:  $[3 \{5 - (2 \times 1)\}] - [6 - 2 \{5 - (3 \times 1)\}]$   
 $= [3 \{5 - 2\}] - [6 - 2 \{5 - 3\}]$   
 $= [3 \times 3] - [6 - 2 \times 2]$   
 $= 9 - [6 - 4]$   
 $= 9 - 2$   
 $= 7$

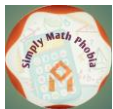
(xiv)  $[20 - (3 \times 5)] + [2 \{9 - (3 \times 2)\}]$   
Solution:  $[20 - (3 \times 5)] + [2 \{9 - (3 \times 2)\}]$   
 $= [20 - 15] + [2 \{9 - 6\}]$   
 $= 5 + [2 \times 3]$   
 $= 5 + 6$   
 $= 11$

(xv)  $[8 + 2 \{9 - (5 + 1)\}] - [4 \times \{6 - (3 \times 1)\}]$   
Solution:  $[8 + 2 \{9 - (5 + 1)\}] - [4 \times \{6 - (3 \times 1)\}]$   
 $= [8 + 2 \{9 - 6\}] - [4 \times \{6 - 3\}]$   
 $= [8 + 2 \times 3] - [4 \times 3]$   
 $= [8 + 6] - 12$   
 $= 14 - 12$   
 $= 2$

(xvi)  $[5 \{10 - (6 - 3)\}] - [2 \times (8 - 3)]$   
Solution:  $[5 \{10 - (6 - 3)\}] - [2 \times (8 - 3)]$   
 $= [5 \{10 - 3\}] - [2 \times 5]$   
 $= [5 \times 7] - 10$   
 $= 35 - 10$   
 $= 25$

(xvii)  $[7 \times \{6 - (2 \times 1)\}] + [9 - 3 \{5 - (2 \times 1)\}]$   
Solution:  $[7 \times \{6 - (2 \times 1)\}] + [9 - 3 \{5 - (2 \times 1)\}]$   
 $= [7 \times \{6 - 2\}] + [9 - 3 \{5 - 2\}]$   
 $= [7 \times 4] + [9 - 3 \times 3]$   
 $= 28 + [9 - 9]$   
 $= 28 + 0$   
 $= 28$

(xviii)  $80 + [20 \times \{20 - (10 \div 5)\}]$   
Solution:  $80 + [20 \times \{20 - (10 \div 5)\}]$



$$\begin{aligned} &=80+[20 \times \{20-2\}] \\ &=80+[20 \times 18] \\ &=80+360 \\ &=440 \end{aligned}$$

(xix)  $12-[20 \div \{8-2(9-5-2)\}]$

Solution:  $12-[20 \div \{8-2(9-5-2)\}]$   
 $=12-[20 \div \{8-2 \times 2\}]$   
 $=12-[20 \div \{8-4\}]$   
 $=12-[20 \div 4]$   
 $=12-5$   
 $=7$

(xx)  $100-56 \div 7+15 \times 2$

Solution :  $100-56 \div 7+15 \times 2$   
 $=100-8+15 \times 2$   
 $=100-8+30$   
 $=130-8$   
 $=122$

**BODMAS Simplification Questions For Class 5 (Unsolved with answers)**

1)  $23 - [10 \div 5] \times 2$

2)  $[2 \times 7 - 2] + (-2)$

3)  $2 \times [96 \div 4 - 11]$

4)  $[(-11) \times (-2) - (-3)] + (-11)$

5)  $13 \times [96 \div 4 - 11]$

6)  $20 - [10 \div 5] \times 2$

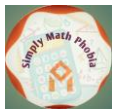
7)  $17 - [10 \div 5] \times 2$

8)  $6 - 11 \times [3 - 6]$

9)  $16 \times [96 \div 4 - 11]$

10)  $21 - [10 \div 5] \times 2$

11)  $11 - 8 \times [5 - 11]$



12)  $12 \times [96 \div 4 - 11]$

13)  $12 - 8 + 4 \div 2 \times 5$

14)  $6 \div (2 + 1) \times (7 - 4)$

15)  $60 - 48 \div 6 \times 4 + 8$

(16)  $39 - 16 + 18 \times 9 \div 3$

(17)  $100 - 56 \div 7 + 15 \times 2$

(18)  $8 \times 6 + 24 \div 6 - 18$

(19)  $56 - 36 \div 4 \times 2 + 7$

(20)  $56 \div 14 \times 3 - 10 \div 5 + 1$

(21)  $198 - 42 \times 15 \div 5 + 6$

(22)  $105 \times 14 \div 7 + 6 - 1$

(23)  $17 + 34 \div 17 \times 5 - 20$

(24)  $20 - \{18 \div (7 - 2 + 1)\}$

(25)  $23 - [6 + \{8 - (9 - 6)\}]$

(26)  $2[19 - \{7 + (12 \div 4)\}]$

(27)  $40 - [12 + \{16 - (12 \div 3)\}]$

(28)  $\{[(30 - \overline{9 - 6}) \div 3] \times 6 + 6\}$

(29)  $12 - [6 \div 3 + \{8 \div 2(8 - 6)\}]$

(30)  $[40 \div \{19 - 3(6 - \overline{4 - 1})\}]$

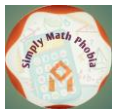
(31)  $[105 \div \{23 + 2(9 - \overline{5 - 2})\}]$

(32)  $3 + (11 - 8) \times 9 + 21$

(33)  $2 + (12 \div 4) \times 8 + 6$

(34)  $(11 + (24 - 6 \div 6))$

(35)  $15 + ((16 \div 4) \times 6)$



Ans. (1) 19 (2) 10 (3) 26 (4) 14 (5) 169 (6) 16 (7) 13 (8) 39 (9) 208 (10) 17  
(11) 59 (12) 156 (13) 14 (14) 4 (15) 36 (16) 77 (17) 122 (18) 34 (19) 45 (20) 11  
(21) 78 (22) 215 (23) 7 (24) 17 (25) 12 (26) 18 (27) 16 (28) 60 (29) 2 (30) 4  
(31) 3 (32) 51 (33) 32 (34) 34 (35) 39

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