

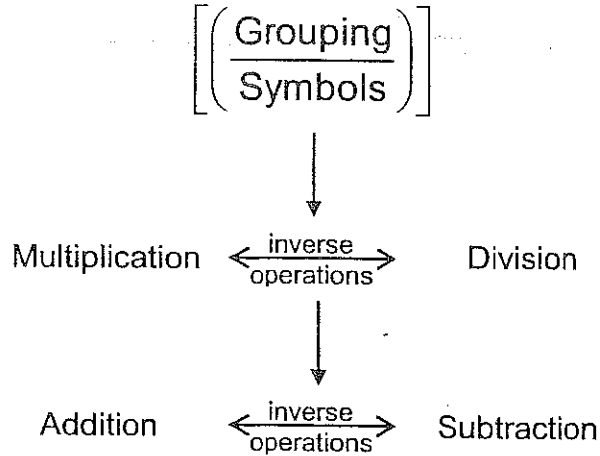


Unit 1 Lesson 1

Independent Practice

Use order of operations to simplify expressions.

Order of Operations Flow Chart



Example 1

$$\begin{aligned} \text{Simplify: } 40 - 2(5) + \frac{16}{8} &= \\ 40 - 10 + \frac{16}{8} &= \\ 40 - 10 + 2 &= \\ 30 + 2 &= \\ 32 & \end{aligned}$$

Example 2

$$\begin{aligned} \text{Simplify: } 9 \times 4 \div 2 \times 6 &= \\ 36 \div 2 \times 6 &= \\ 18 \times 6 &= \\ 108 & \end{aligned}$$

Simplify each expression.

1. $\frac{15}{3} \cdot (2 + 7)$

2. $48 \div 12 + 6 - 7$

3. $5 + [3(2 + 9)]$

4. $13 - 3 + 2 - 4 \times 2$



5. $20 \div 4 \times 5$

6. $32 - 7(4) + 8$

7. $8 + 3[2 \times (10 - 5)]$

8. $6 - 1 + 30 \div 5$

9. $10 + 5\left(\frac{18}{3}\right)$

10. $48 - (4 + 6) \times 2$

11. $9 - 5 + 7 + 3 - 8$

12. $60 - (45 + 27) \div 3$