

~~Step~~ ① Grouping $()$ — $[\]$
~~Step~~ ② Exponents $x^{(2)}$
~~Step~~ ③ MD $\times \div$ $\xrightarrow{L \text{ to } R}$
~~Step~~ ④ AS $+ -$ $\xrightarrow{L \text{ to } R}$

Find the value of each expression. Show all work.

1. $\frac{4+6}{7-2}$

2. $4 \times (2+6)$

3. $(3+4)^2 - 14$

4. $16 \div 2 + 4 \times (7-3)$

5. $15 \times 3 \div 9 + 6$

6. $4 \times 3 + \frac{6+9}{3}$

7. $10 \times (5-2)^2 - 9 \times 5$

8. $12 \div 3 + \frac{2+7}{5-3} - 6$

9. Three friends go to the movies. Each ticket costs \$7. They also buy popcorn for \$6, candy for \$4 and a drink for \$2. The friends want to split the total cost evenly. Write a numerical expression to represent this situation and determine how much each friend owes.

Insert one set of parentheses in each numerical expression to make it equal the stated amount.

10. $5 \times 3 + 7 = 50$

11. $7 + 3 + 6 \div 3 = 10$

12. $100 - 3 \times 6 + 5 - 4 = 63$