Order of Operations

Free worksheet · Grades 6–8 · Fix the mistake from our video

Name _____ Date _____

THE MISTAKE Working left to right no matter what: 8 – 2 × 3 is not 18.

THE FIX Evaluate inside parentheses first, then exponents. Multiply or divide from left to right. Finally, add or subtract from left to right. So 8 – 2 × 3 = 8 – 6 = 2.

1. 8 – 2 × 3

2. 8 + 4 × 3

3. (8 + 4) × 3

4. 20 – 6 ÷ 2

5. 2 × (3 + 4) – 5

6. 12 ÷ 3 × 2

7. 18 ÷ (2 + 1) × 2

8. $5 + 3^2$

9. $(5 + 3)^2$

10. 24 ÷ 4 ÷ 2

11. 10 – 4 + 3

12. 7 × 2 – 3 × 4

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Answer key

1. $8 - 2 \times 3$ → **2**
2. $8 + 4 \times 3$ → **20**
3. $(8 + 4) \times 3$ → **36**
4. $20 - 6 \div 2$ → **17**
5. $2 \times (3 + 4) - 5$ → **9**
6. $12 \div 3 \times 2$ → **8**
7. $18 \div (2 + 1) \times 2$ → **12**
8. $5 + 3^2$ → **14**
9. $(5 + 3)^2$ → **64**
10. $24 \div 4 \div 2$ → **3**
11. $10 - 4 + 3$ → **9**
12. $7 \times 2 - 3 \times 4$ → **2**

Got one wrong? Find the step where it went off track, then redo it. Every mistake you fix is a rep.

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