

4.OA.A.3 Using the Correct Order of Operations

4.OA.A.3: Solve multistep word problems posed with whole numbers using the four operations.

1. List the correct order of operations.

Example: $4 + 3 \times 5$ 1. <u>Multiply</u> 2. <u>Add</u>	$15 - 3 + 2$ 1. _____ 2. _____	$8 - 16 \div 4 + 3$ 1. _____ 2. _____ 3. _____	$8 \div 2 + 2 \times 2$ 1. _____ 2. _____ 3. _____
$8 + 18 \div 3 + 2$ 1. _____ 2. _____ 3. _____	$3 \times 6 + 2 \times 5$ 1. _____ 2. _____ 3. _____	$15 \div 5 + 4$ 1. _____ 2. _____	$6 + 3 \times 5 + 1$ 1. _____ 2. _____ 3. _____

2. Find the value of each expression. Use correct order of operation.

- a. $24 \div 12 + 3$
- b. $2 \times 5 + 30 \div 5 + 4$
- c. $8 - 14 \div 7 - 4$
- d. $16 \div 8 \times 4$
- e. $63 \div 9 + 8$
- f. $5 \times 8 - 6 \times 2$
- g. $3 \times 9 - 8$
- h. $4 \times 3 - 42 \div 6 + 3$
- i. $3 \times 5 - 35 \div 5 + 5$
- j. $15 - 3 \times 4 + 8$

Solution:

- a. _____
- b. _____
- c. _____
- d. _____
- e. _____
- f. _____
- g. _____
- h. _____
- i. _____
- j. _____

3. Why is it important to have a standard set of order of operations?

Solution:

4. What is the value of expression $5 \times 6 - 36 \div 12 - 11$?
- | | |
|-------|-------|
| A. 0 | C. 9 |
| B. 16 | D. 40 |

Solution:

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Answer Key

1. List the correct order of operations.

Example: $4 + 3 \times 5$ 1. <u>Multiply</u> 2. <u>Add</u>	$15 - 3 + 2$ 1. <u>Subtract</u> 2. <u>Add</u>	$8 - 16 \div 4 + 3$ 1. <u>Divide</u> 2. <u>Subtract</u> 3. <u>Add</u>	$8 \div 2 + 2 \times 2$ 1. <u>Divide</u> 2. <u>Multiply</u> 3. <u>Add</u>
$8 + 18 \div 3 + 2$ 1. <u>Divide</u> 2. <u>Add</u> 3. <u>Add</u>	$3 \times 6 + 2 \times 5$ 1. <u>Multiply</u> 2. <u>Multiply</u> 3. <u>Add</u>	$15 \div 5 + 4$ 1. <u>Divide</u> 2. <u>Add</u>	$6 + 3 \times 5 + 1$ 1. <u>Multiply</u> 2. <u>Add</u> 3. <u>Add</u>

2. Find the value of each expression. Use correct order of operation.

- a. $24 \div 12 + 3$
- b. $2 \times 5 + 30 \div 5 + 4$
- c. $8 - 14 \div 7 - 4$
- d. $16 \div 8 \times 4$
- e. $63 \div 9 + 8$
- f. $5 \times 8 - 6 \times 2$
- g. $3 \times 9 - 8$
- h. $4 \times 3 - 42 \div 6 + 3$
- i. $3 \times 5 - 35 \div 5 + 5$
- j. $15 - 3 \times 4 + 8$

Solution:

- a. $2 + 3 = 5$
- b. $10 + 6 + 4 = 16 + 4 = 20$
- c. $8 - 2 - 4 = 6 - 4 = 2$
- d. $2 \times 4 = 8$
- e. $7 + 8 = 15$
- f. $40 - 12 = 28$
- g. $27 - 8 = 19$
- h. $12 - 7 + 3 = 5 + 3 = 8$
- i. $15 - 7 + 5 = 8 + 5 = 13$
- j. $15 - 12 + 8 = 3 + 8 = 11$

3. Why is it important to have a standard set of order of operations?

Solution:

It is important because it will make people to read and solve problems in the same way.

4. What is the value of expression $5 \times 6 - 36 \div 12 - 11$?
- A. 0
 - B. 16
 - C. 9
 - D. 40

Solution:
B. 16