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Math 5

UNIT 1 – Numerical Expressions
1-3 Order of Operations without Parentheses

Name:		Date:	

	CCSS.MATH.CONTENT.5.OA.A.1
Common Core Standards	Use parentheses, brackets, or braces in numerical expressions, and evaluate expressions with these symbols.

1-3 Order of Operations without Parenthesis

M	D	A	S
Multiplication	Division	Addition	Subtraction

Step #1

Always work from left to right, like the arrows below.

→ → → → → →

Step #2

Work on with **MULTIPLICATION** or **DIVISION**, whichever comes first, from LEFT to RIGHT.

Step #3

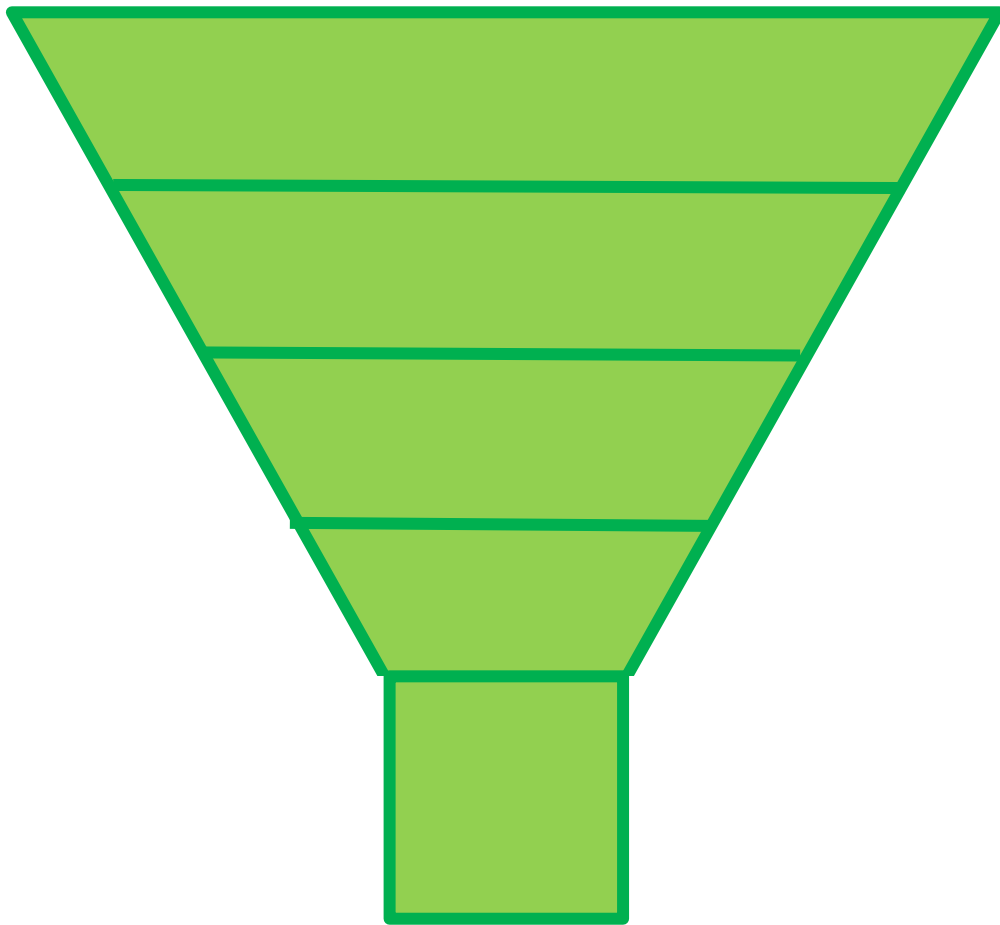Work on with **ADDITION** or **SUBTRACTION**, whichever comes first, from LEFT to RIGHT.

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THE FUNNEL METHOD

1. Write the expression horizontally.

2. Determine the operation that should be done first, following the MDAS rule and underline it.

3. Perform the said operation and rewrite the expression the way it appeared in the original expression.

4. Underline the next operation following the MDAS rule.

5. Continue performing the operations one at a time, rewrite the expression after each step until you've completed all the operations… and you have one value left.

Fill Me Up!

Evaluate the given numerical expression by filling up the Funnel with the correct order of operations.

$$3 + 5 \times 9 \div 15 - 4$$

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Task Cards

Evaluate the following numerical expressions. Match the pink card with the blue card.

1.
$9 - 3 \times 2 + 12 \div 4$

a.
5

2.
$25 \div 5 + 4 \times 2 - 8$

b.
6

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3.

$$18 - 4 + 5 \times 3 \div 5$$

c.

$$1$$

4.

$$36 \div 12 + 5 - 4 \times 2$$

d.

$$17$$

5.

$$18 \times 2 \div 9 + 4 - 7$$

e.

$$22$$

6.

$$18 + 2 \times 3 - 10 \div 5$$

f.

0

ANSWER KEY

Situation 1

1.

$$3 + 5 \times 9 \div 15 - 4$$
$$3 + 45 \div 15 - 4$$
$$3 + 3 - 4$$
$$6 - 4$$
$$2$$

Task Cards

1.   B

2.   A

3.   D

4.   F

5.   C

6.   E