## **Order of Operations 1**

Mathematicians have decided in which order we calculate if there are many operations:

- 1. First, we calculate what is inside the **PARENTHESES** ().
- 2. Then, we **MULTIPLY** before adding or subtracting.
- 3. Lastly, we **ADD** and **SUBTRACT** from left to right.

<b>Example 1.</b> Here, the multiplication is done before subtraction:	<b>Example 2.</b> Both multiplications are done before adding:
$45-3\times 4$	$5 \times 2 + 2 \times 10$
= 45 - 12	= 10 + 20
= 33	= 30

In this lesson, we will not have any parentheses in the problems. We will focus on addition, subtraction, and multiplication.

1. Add and subtract from left to right. This means the first operation you do is the first one from the left. You can circle the operation to do FIRST in a "bubble" or a "balloon"!

a. $(15+7) - 3$	<b>b.</b> $15 - 7 + 3$	c. $100 - 40 - 40 + 20$

2. Calculate. Circle the operation to be done first. Remember to multiply first!

<b>a.</b> $5 + 4 \times 2$ 5 + 8 =	<b>b.</b> $10 + 5 \times 4$	<b>c.</b> $20 - 4 \times 4$
<b>d.</b> $2 \times 6 + 2 \times 7$	<b>e.</b> $3 \times 5 - 2 \times 4$	<b>f.</b> $2 \times 5 + 1 \times 4$
<b>g.</b> $5 + 1 \times 2 + 5$	<b>h.</b> $30 - 2 \times 2 - 10$	i. $50 - 3 \times 2 + 6$



3. How many people live in the houses? Write a number sentence for each illustration.

