

Multiply n by 4 and then add 3 to your answer. Add 3 to n and then multiply your answer by 4. Add 5 to n and then divide your answer by 3. Multiply n by n and then multiply your answer by 5. Multiply n by 5 and then square your answer.

expressions. They almost sound the same, but they are quite different!

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The Distributive Property

multiplying with addition a(b+c)=ab + ac

multiplying with subtraction a(b-c)=ab - ac When combining like terms, sometimes you have to use the DISTRIBUTIVE property!

Multiply both terms by the number outside the parentheses.

4 times 2x = 8x 4 times 3 = 12

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Simplify each expression.

1. 5(x + 6)

2.8(r-10)

3. 4(x + 2) + 2(x - 1)

HINT: Apply the distributive property first, then combine like terms!

4. 2(a + 4)

5. 8(x + y + 2z)

6. 5(x+2) + 9(7+x)

HINT: Apply the distributive property first, then combine like terms!



Speak the algebraic expressions out loud - You are 'talking algebra'	
Look at the difference:	
Teacher:	Tell me in words what this one says. [Teacher writes: $3 + \frac{n}{2}$.]
Student:	Three add n divided by two.
Teacher:	How would you read this one then? [Teacher writes: $\frac{(3+n)}{2}$.]
Student:	Three add n divided by two. Oh, but in the second one you are dividing it all by two.
Teacher:	So can you try reading the first one again, so it sounds different from the second one?
Student:	Three add [pause] n divided by two [said quickly]. Or n divided by two, then add three.







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