Lesson #5.3: Factor Pairs

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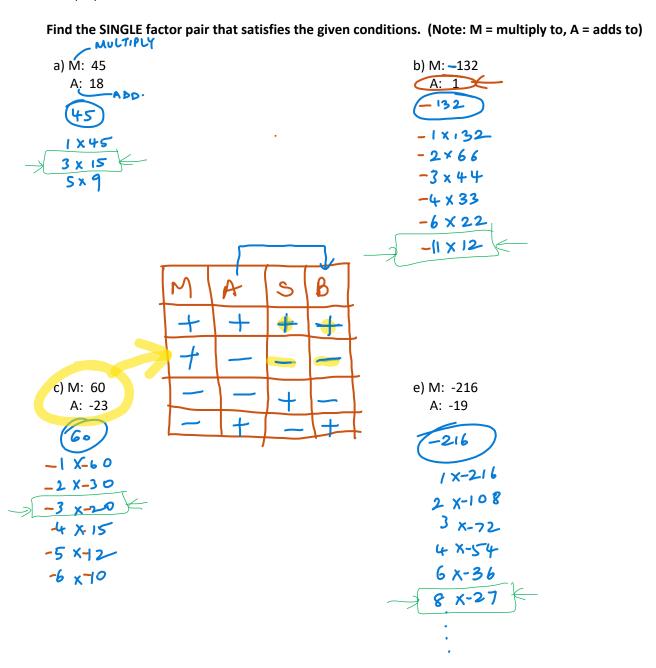
Learning Goal: We are learning to find factor pairs, and to expand more complicated polynomials.

Today, we are going to play a game. Before we play this game, we need to first figure out how to make lists of factor pairs. A **factor pair** is two numbers which *multiply* to a given number.

Create the complete list of factor pairs for each number.

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Now that we see how to create a list of factor pairs, we will now add an element which will have us search for a **specific** factor pair. In the following examples, you will be given a number to multiply to and a number to add to. This means that you will need to find a factor pair which both multiplies to and adds to the given numbers. Without further adieu, let's play "Find the Pair!"



Success Criteria:

- I can use the distributive property to expand larger polynomials
- I can find all of the factor pairs for a given number
- I can find a specific factor pair that meets a set of conditions