

Lesson #3 Factor Pairs

Date _____

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

1) Create the complete list of factor pairs for each number.

a) 24

b) 32

c) 45

d) 144

e) 73

f) 1890

g) 80

h) 112

i) 720

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 add to. This means that you 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!"

2) Find the factor pair that satisfies the given conditions: (NOTE: M=multiuply to, A=adds to).

a) M: 45
A: 18

b) M: -132
A: 1

c) M: -216
A: 19

d) M: 60
A:-23