

Name: Key  
4<sup>th</sup> Grade Notes 3.7A Factors p. 173

- factors: whole numbers that multiply evenly to equal a product

Ex: factors of 6 are: 3; 2; 6; 1

- factor pairs: 2 numbers that multiply together to equal a product

Ex: factors pairs of 6 are: 3 x 2 & 6 x 1

To find factors:

Ex:

1. start with 1 and write the factor pair

2. count up after 1, in order, and only write the numbers that go in evenly as factor pairs

3. stop when you get to a number already written down

4. list all factors in order from least to greatest

Diagram illustrating the process of finding factors of 24:

	24	
start →	1	x 24
↓	2	x 12
-5 doesn't work	3	x 8
-6 is already written down, so stop	4	x 6

A blue arrow on the right side of the table points upwards from the 4th row to the 1st row. A blue arrow on the left side points downwards from the 1st row to the 2nd row. A blue arrow on the left side points downwards from the 3rd row to the 4th row.

24: 1; 2; 3; 4; 6; 8; 12; 24