

Mrs. Croes
1/13
P—

2.3.3 Generic Rectangles and Greatest Common Factor

Essential Question: How do I define greatest common factor (GCF) and use it to find the dimensions of generic rectangles?

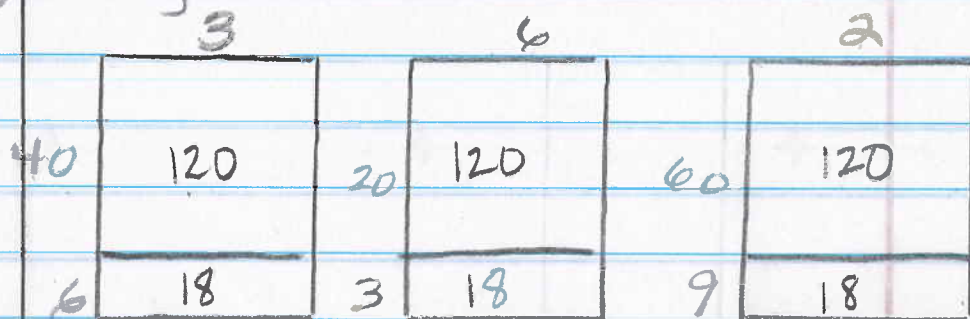
BIG IDEAS:
factor

a number multiplied by another number to get a product

greatest common factor (GCF)

the largest whole number that divides evenly into two or more numbers

Using generic rectangles to find the GCF



common factors: 2, 6, 3

GCF: 6

2, 3, 3 Teamwork

2-70 a)

Three ways
to write the
dimensions
on a
generic
rectangle

	2		3		6
60	120	40	120	20	120
9	18	6	18	3	18

Complete
on
the
board

2-70 b) Ask students to look at all of the factors above:

120 : 2, 3, 4, 20, 40, 60

18 : 2, 3, 6, 9

Common Factors : 2, 3, 6

GCF : 6