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Google classroom!*



Aug 12-10:04 AM

WWK (Page 7):

Greatest Common Divisor (GCD): the largest #
between two or more natural #'s that
is a factor of all the #'s

25 & 70 GCD: 5
Least Common Multiple (LCM): the smallest
natural # between two or more
natural #'s that is a multiple
of all the numbers

16 & 42 LCM: 336

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TOC 14 GCD & LCM

GCD (greatest common divisor)

2	216	234
3	108	117
3	36	39
	12	13

$$2 \times 3 \times 3 = 18$$

LCM (least common multiple)

2	144	300
2	72	150
3	36	75
	12	25

$$2 \times 2 \times 3 \times 12 \times 25 = 3600$$

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Page 15 toc GCD & LCM Examples

Example 1: Find the GCD of 96 & 212

2	96	212
2	48	106
	24	53

$$2 \times 2 = 4$$

Example 2: A choral director needs to divide 180 men and 144 women into all- male and all female singing groups so that each group has the same number of people. What is the largest number of people that can be placed in each group?

2	180	144
2	90	72
3	45	36
3	15	12
	5	4

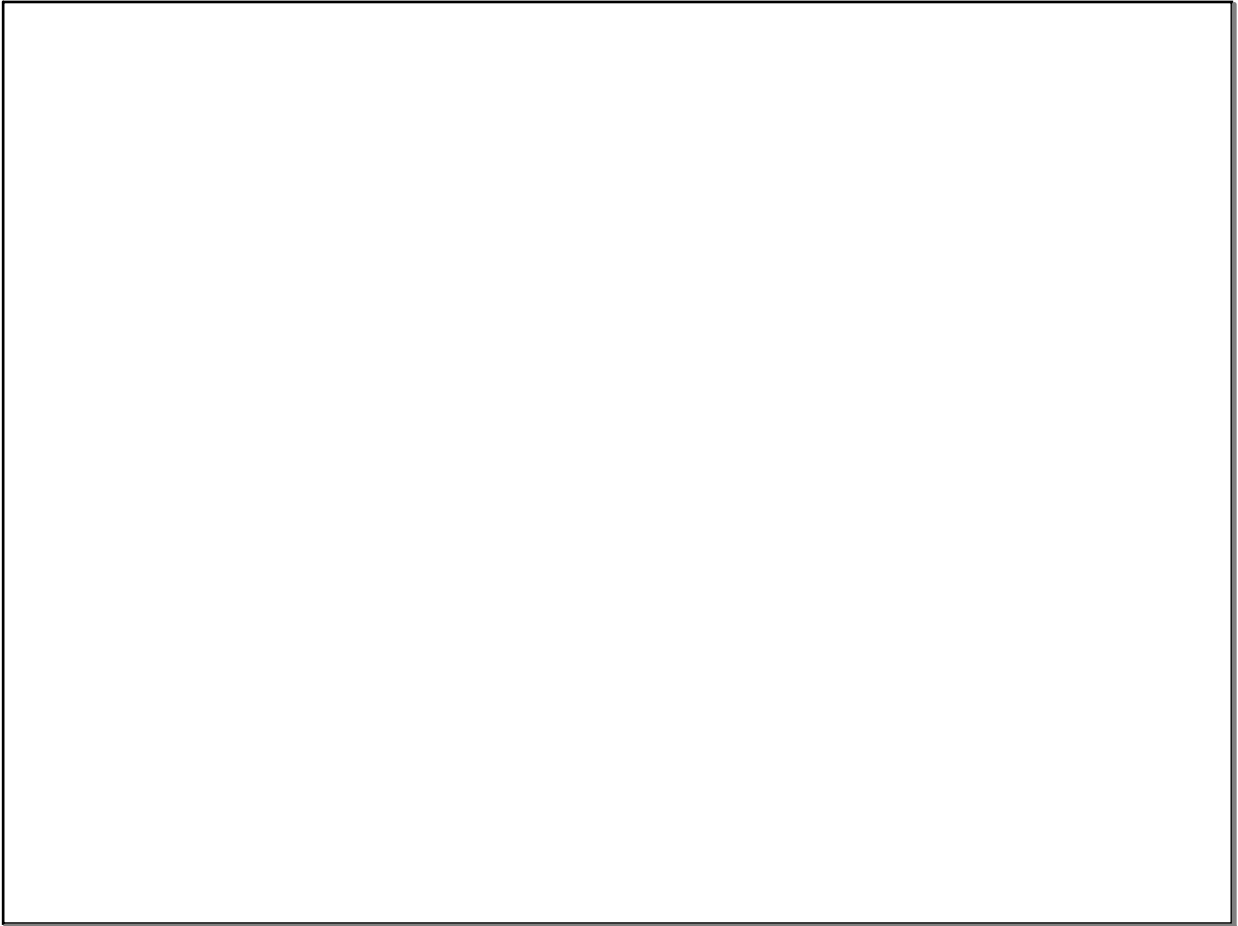
$$2 \times 2 \times 3 \times 3 = 36$$

Example 3: Find the LCM of 66 & 90

2	66	90
3	33	45
	11	15

$$2 \times 3 \times 11 \times 15 = 990$$

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Aug 15-4:05 PM