ALL GEARED UP

A GCF/LCM Performance Task

TASK CARD 1

View the video on finding the GCF for numbers.

http://studyjams.scholastic.com/studyjams/jams/math/fractions/greatest-common-factor.htm

 Click on Step by Step,, first. Then, click on Test yourself for practice.
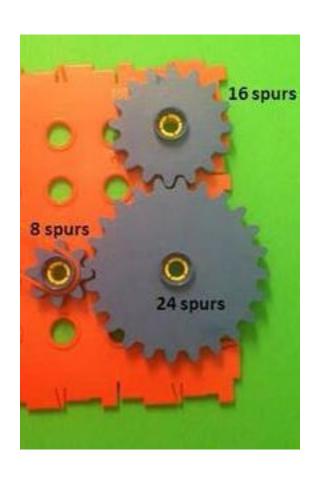
Task Card 2

- You and your partner will view the following video:

http://vimeo.com/90593553

You and your partner now DISSECT (Level 4) what you noticed or wondered about this video.

Task Card 3

The MAIN question in this task is: *"How many times must each wheel turn to make all of the dots line up again?"*

You and your partner write down the question and then write what you think the answer to the above question is—on a piece of notebook paper.

Task Card 4

Task Card 5

Looking at task card 4, how do you think the number of spurs on each wheel will help you with your problem and solution? Write your thoughts on your paper.

Task Card 6

You and your partner find the GCF and solve this problem. Show all work on your paper.

Task Card 6

Now, watch the following video:

http://vimeo.com/90593611

What is the answer?

Task Card 7

Answer the following questions on your paper, and be prepared to discuss with the class:

1. How did your understanding of multiples and factors help you to make sense of this problem?

2. What models did you create?

3. What organizational strategies did you use?

Task Card 8

You and your partner, now solve these problems together, on your papers.

a. At a display booth at an amusement park, every visitor gets a gift bag. Some of the bags have items in them as shown in the table below.

Items in the Gift Bags

Items	Bags
Hat	Every 2nd visitor
T-shirt	Every 7th visitor
Backpack	Every 10th visitor

How often will a bag **contain all three items**?

A. Every 14 bags
B. Every 19 bags
C. Every 70 bags
D. Every 140 bags

Task Card 9

- b. Oscar needs to ship 14 rock CDs, 12 classical CDs, and 8 pop CDs. He can pack only one type of CD in each box and he must pack the same number of CDs in each box. What is the greatest number of CDs Oscar can pack in each box?

Task Card 10

You and your partner now CONSTRUCT (level 4) a word problem using GCF. Show your solution and be prepared to share with the class.

Task Card 11

Now, go to Socrative.com and complete the assignment All Geared Up!