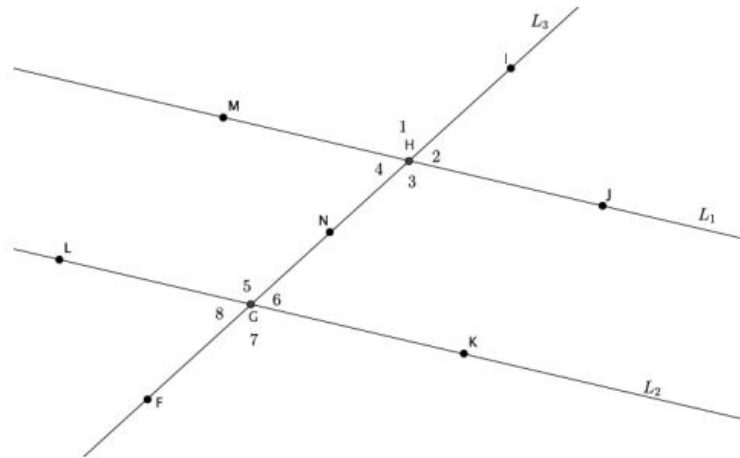


Middle School

Prompts to Enhance (from ENY)

- 1.) A picture $10\frac{1}{4}$ feet long is to be centered on a wall that is $14\frac{1}{2}$ feet long. How much space is there from the edge of the wall to the picture? (Grade 6, Module 2)
- 2.) Cool Tees is having a Back to School sale where all t-shirts are discounted by 15%. Joshua wants to buy five shirts: one costs \$9.99, two cost \$11.99 each, and two others cost \$21.00 each. How much will Joshua pay for the five shirts after the discount? (Grade 7, Module 4)
- 3.) Use the diagram below to answer the questions that follow. Lines L_1 and L_2 are parallel, $L_1 \parallel L_2$. Point N is the midpoint of segment GH .



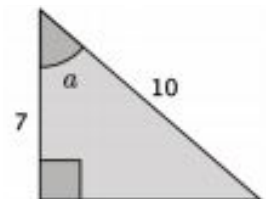
If the measure of $\angle IHM$ is 125° , what is the measure of $\angle IHJ$? $\angle JHN$? $\angle NHM$? (Grade 8, Module 2)

- 4.) At NYU in 2013, the cost of the weekly meal plan options could be described as a function of the number of meals. Is the cost of the meal plan a linear or nonlinear function? Explain. (Grade 8, Module 5)
 - 8 meals: \$125/week
 - 10 meals: \$135/week
 - 12 meals: \$155/week
 - 21 meals: \$220/week

High School

Prompts to Enhance (from ENY)

- 1.) Solve for x in the following equation: $10 + 3x = 5x$ (Algebra, Module 1)
- 2.) An arrow is shot into the air. A function representing the relationship between the number of seconds it is in the air, t , and the height of the arrow in meters, h , is given by $h(t) = -4.9t^2 + 29.4t + 2.5$. Complete the square for this function. Show all work. (Algebra, Module 4)
- 3.) Determine the measures of the angles to the nearest tenth of a degree in the right triangle below. (Geometry, Module 2)



Upper Elementary – Grades 3 to 5

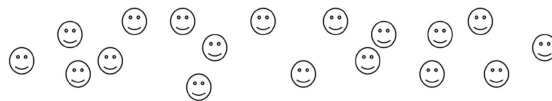
Prompts to Enhance (from ENY)

- 1.) Katy and Jane construct a four-sided wall to surround their castle. The wall has a perimeter of 100 feet. One side measures 16 feet. A different side measures 16 feet. A third side measures 34 feet. What is the unknown side length? (Grade 3, Module 7)
- 2.) A new grocery store is opening next week. The store's rectangular floor is 42 meters long and 39 meters wide. How many square meters of flooring do they need? (Grade 4, Module 3)
- 3.) A castle has to be guarded 24 hours a day. Five knights are ordered to split each day's guard duty equally. How long will each knight spend on guard duty in one day? (Grade 5, Module 4)
- 4.) Compare $\frac{4}{5}$, $\frac{3}{4}$, and $\frac{9}{10}$ using $<$, $>$, or $=$. Explain your reasoning using a benchmark (4th Grade Module 5 Lesson 14).
- 5.)
 - a. There are 60 seconds in 1 minute. Use a tape diagram to find the total number of seconds in 5 minutes and 45 seconds.
 - b. There are 60 minutes in 1 hour. Use a tape diagram to find the total number of minutes in 6 hours and 15 minutes (3rd Grade Module 3 Lesson 21).

Early Elementary – Grades 1 to 2

Prompts to Enhance (from ENY)

- 1.) Maria bought 11 red balloons and 8 white balloons. How many balloons did she buy? (Grade 1, Module 4)
- 2.) Tamra has 12 coins. Willie has 8 coins. How many more coins does Tamra have than Willie? (Grade 2, Module 1)
- 3.) Albert saved 42 cents last week. This week, he added a quarter, 2 dimes, and 13 pennies to his savings. How much money has Albert saved from the last two weeks? (Grade 2, Module 7)
- 4.) My starting number is 217. I skip-count up by 100s seven times. What is the last number I count? Explain your thinking below (2nd Grade Module 3 Lesson 19).
- 5.) Circle groups of two. Count by twos to see if the number of objects is even.



- a. There are ____ twos. There are ____ left over.
- b. Count by twos to find the total: ____, ____, ____, ____, ____, ____, ____, ____, ____, ____, ____
- c. This group has an even number of objects. True ____ False ____ (2nd Grade Module 6 Lesson 18)