

4. E represents an object's weight on Earth and M represents that same object's weight on the Moon. The equation $M = \frac{1}{6}E$ represents the relationship between these quantities.

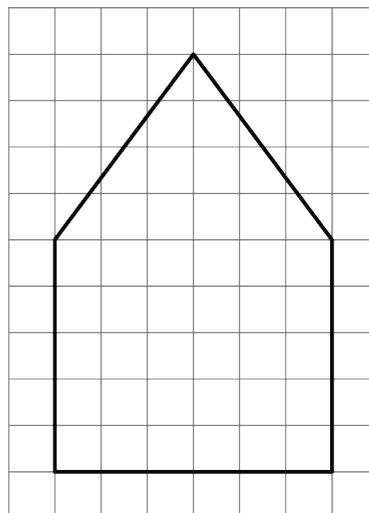
a. What does the $\frac{1}{6}$ represent in this situation?

b. Give an example of what a person might weigh on Earth and on the Moon.

(From Unit 2, Lesson 4.)

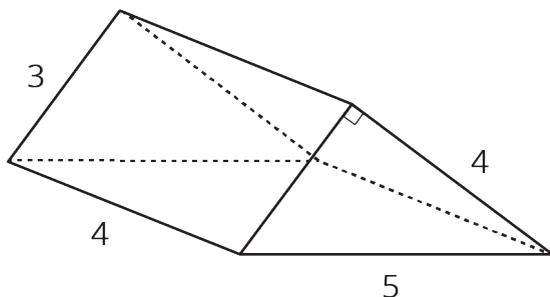
5. Here is a diagram of the base of a bird feeder which is in the shape of a pentagonal prism. Each small square on the grid is 1 square inch.

The distance between the two bases is 8 inches. What will be the volume of the completed bird feeder?



(From Unit 7, Lesson 13.)

6. Find the surface area of the triangular prism.



(From Unit 7, Lesson 14.)