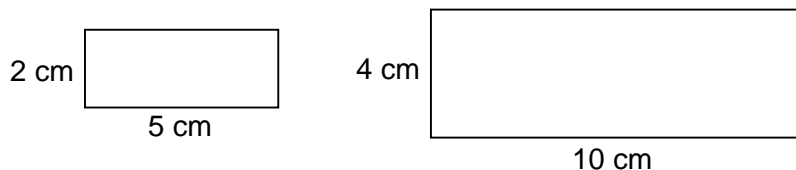# Vocabulary: Beam to Moon

Vocabulary

- <u>Proportion</u> – an equation that shows two equivalent ratios.
  - For example, $\frac{1}{2} = \frac{4}{8}$ is a proportion because the two ratios are equal.

- <u>Proportional</u> – having the same or constant ratio.
  - For example, the dimensions of the rectangles below are proportional.

2 cm [ ] 5 cm   4 cm [ ] 10 cm

$$\frac{\text{length of small rectangle}}{\text{width of small rectangle}} = \frac{\text{length of large rectangle}}{\text{width of large rectangle}}, \text{ or } \frac{2}{5} = \frac{4}{10}.$$

- <u>Ratio</u> – a comparison between two things by division.
  - For example, if there are 3 goldfish in a tank of 5 fish total, then the ratio of goldfish to total fish can be written as 3 to 5, 3:5, or $\frac{3}{5}$.