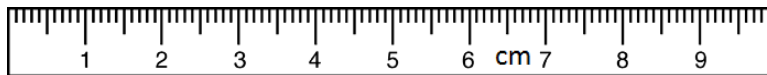


## Putting Robots to Work with Force & Friction Activity – Force & Friction Quiz – **Answers**

1. What does the word “force” mean?
  - a. A push
  - b. A push or pull
  - c. A pull
2. *Use the image below to complete the next question.* Using the ruler displayed, what is the length of the car shown to the nearest centimeter?
  - a. 6 centimeters
  - b. 7 centimeters
  - c. 9 centimeters



3. Which of the following objects requires more force to move?
  - a. A marble
  - b. An elephant
  - c. A basketball
4. What does friction do to a moving object?
  - a. Slows the object down
  - b. Speeds the object up
  - c. No effect
5. How do engineers use models and experiments to produce better machines?

**Engineers use models and experiments to test their predictions and make sure the machines work.**