

Maker Quiz

1.) Which of the following are used in physics?

- A. $C = 2\pi r$ - Circumference
- B. $V = D/T$ - Velocity
- C. $P = T \times R$ - Power
- D. $T = F \times D$ - Torque
- E. All of the above

2.) High gear ratios go faster than Low gear ratios: true or false?

3.) Match the word with it's definition. Point out the matching words and definitions.

Circumference

Torque

Power

Velocity

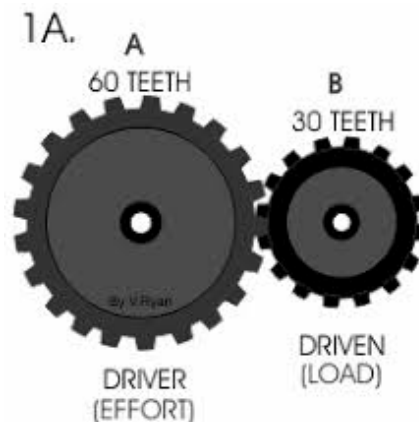
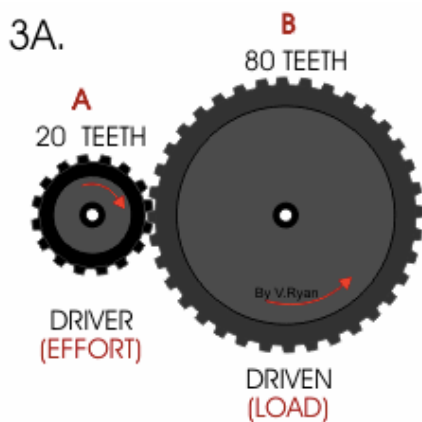
the time-rate of doing work

Speed

rotational force

the measurement of the distance around a circle

4.) Point to which picture portrays a high gear ratio and which portrays a low gear ratio



5.) If you want to make your robot travel at a faster velocity, which of the following should you NOT do?

- A. Use a gear train with a high gear ratio
- B. Use a gear train with a low gear ratio
- C. Use smaller wheels
- D. B and C