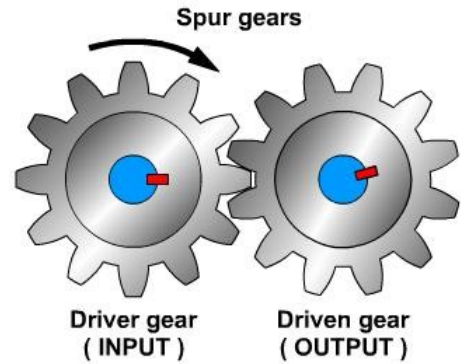


Gear Calculations

1. Two spur gears are illustrated opposite.

- Draw an arrow above the driven gear to show the direction of its rotation.
- The driver gear is rotating at a velocity of 600 revolutions per minute (RPM). What is the velocity of the driven gear?

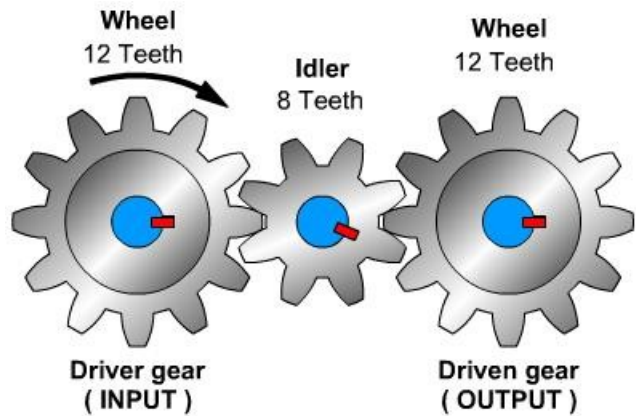
Answer: _____



2. A simple gear train is illustrated opposite.

- Draw arrows above the idler and driven gear to show the direction of each gear's rotation.
- The driver gear is rotating at a velocity of 600 revolutions per minute (RPM). What is the velocity of the driven gear?

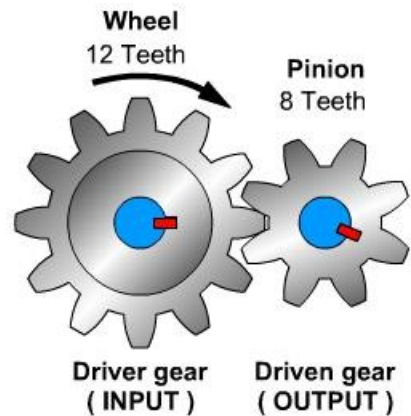
Answer: _____



3. Two spur gears are illustrated opposite.

- Draw an arrow above the driven gear to show the direction of its rotation.
- The driver gear is rotating at a velocity of 600 revolutions per minute (RPM). What is the velocity of the driven gear?

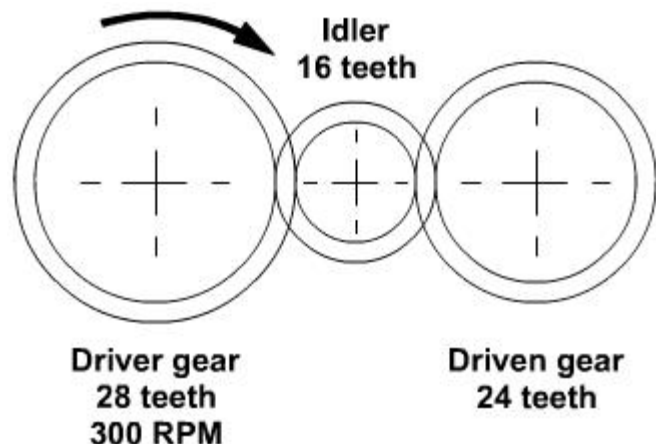
Answer: _____



4. A simple gear train is illustrated opposite.

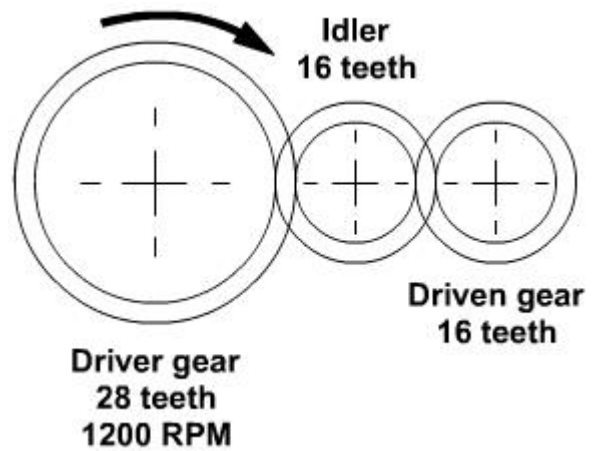
- Draw arrows above the idler and driven gear to show the direction of each gear's rotation.
- The driver gear is rotating at a velocity of 300 revolutions per minute (RPM). What is the velocity of the driven gear?

Answer: _____



5. A simple gear train is illustrated opposite.

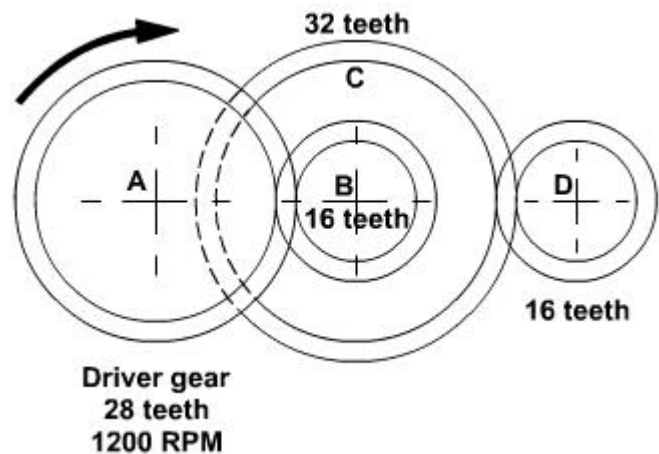
- Draw arrows above the idler and driven gear to show the direction of each gear's rotation.
- The driver gear is rotating at a velocity of 1200 revolutions per minute (RPM). What is the velocity of the driven gear?



Answer: _____

6. A compound gear train is illustrated opposite.

- The driver gear is rotating at a velocity of 1200 revolutions per minute (RPM). What is the velocity of the driven gear?



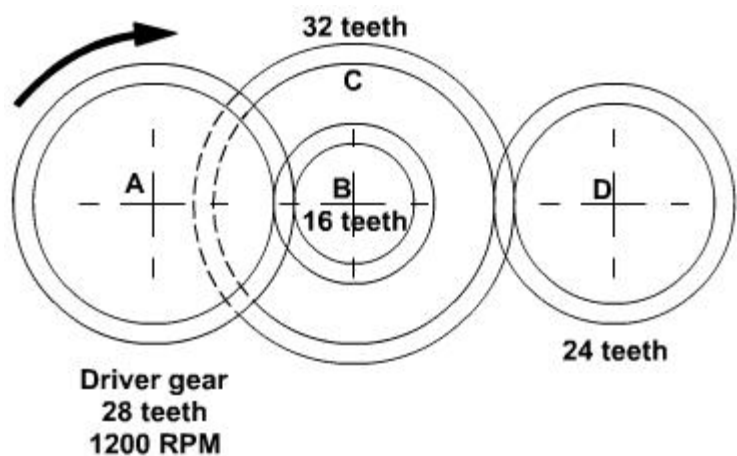
Answer: _____

- What is the gear ratio of the compound gear train?

Answer: _____

7. A compound gear train is illustrated opposite.

- The driver gear is rotating at a velocity of 1200 revolutions per minute (RPM). What is the velocity of the driven gear?



Answer: _____

- What is the gear ratio of the compound gear train?

Answer: _____

Name: _____

Form: _____