BICYCLE GEARS - VELOCITY RATIO

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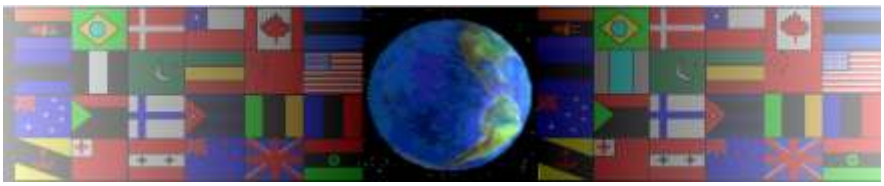
On behalf of The World Association of Technology Teachers

W.A.T.T.



World Association of Technology Teachers

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THE BASICS - GEARS - VELOCITY RATIO

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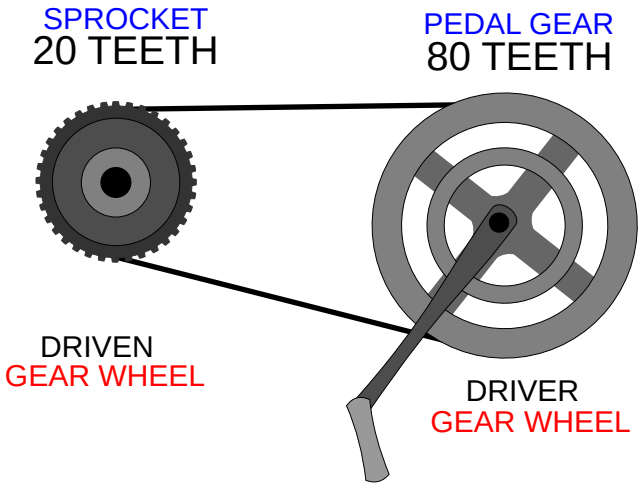
1. If the pedal gear revolves once how many times will the sprocket gear revolve?

$$\frac{\text{No OF TEETH ON PEDAL GEAR}}{\text{No OF TEETH ON SPROCKET}} = ____ =$$

The gear ratio is : 1 : ____

PEDAL GEAR — SPROCKET GEAR

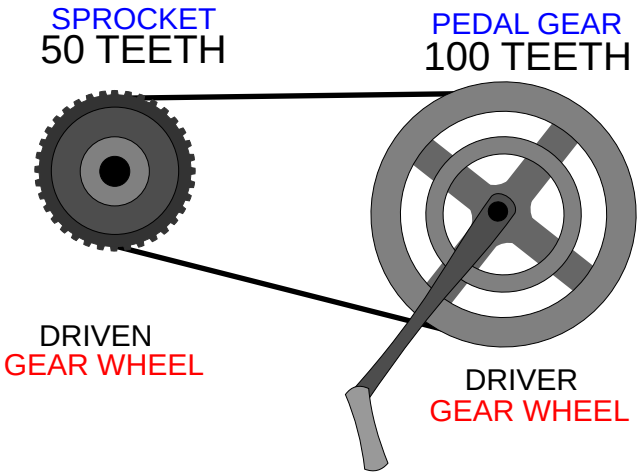


2. If the pedal gear revolves once how many times will the sprocket gear revolve?

$$\frac{\text{No OF TEETH ON PEDAL GEAR}}{\text{No OF TEETH ON SPROCKET}} = ____ =$$

The gear ratio is : 1 : ____

PEDAL GEAR — SPROCKET GEAR

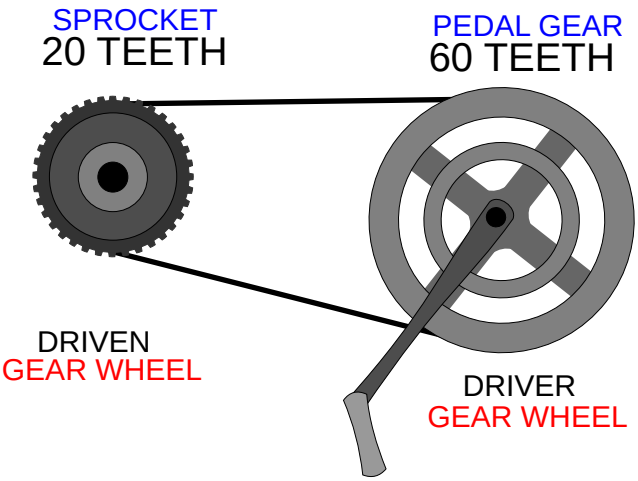


3. If the pedal gear revolves once how many times will the sprocket gear revolve?

$$\frac{\text{No OF TEETH ON PEDAL GEAR}}{\text{No OF TEETH ON SPROCKET}} = ____ =$$

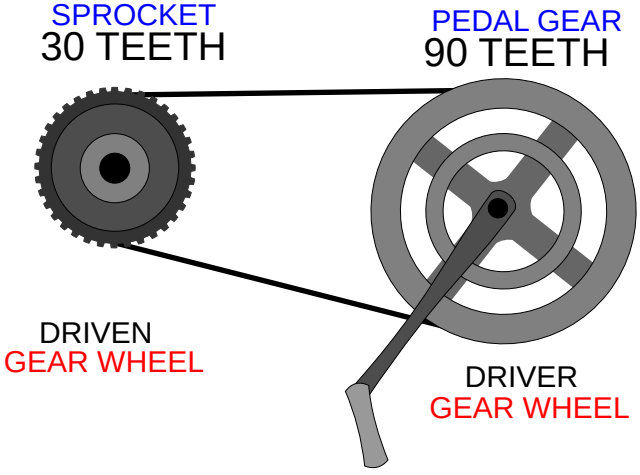
The gear ratio is : 1 : ____

PEDAL GEAR — SPROCKET GEAR



4. If the pedal gear revolves once how many times will the sprocket gear revolve?

$$\frac{\text{No OF TEETH ON PEDAL GEAR}}{\text{No OF TEETH ON SPROCKET}} = ____ =$$

The gear ratio is : 1 : ____

PEDAL GEAR — SPROCKET GEAR