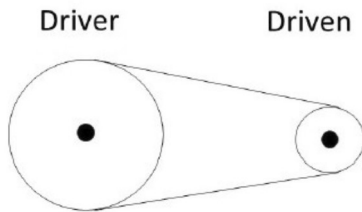


Name: _____

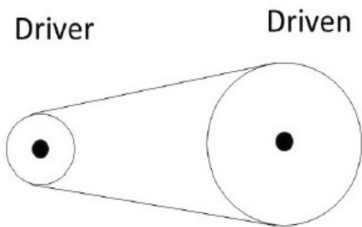
For the system of sprockets pictured, when driver sprocket = 68 cm, driven sprocket = 30 cm, and the input speed is 42 rpm, what is the output speed (precision of 0.01)?



$$\frac{30 \text{ cm}}{68 \text{ cm}} = \frac{42 \text{ rpm}}{x \text{ rpm}}$$

$$95.20$$

For the system of sprockets pictured, when driver sprocket = 16 cm, driven sprocket = 54 cm, and the input speed is 48 rpm, what is the output speed (precision of 0.01)?



$$\frac{54 \text{ cm}}{16 \text{ cm}} = \frac{48 \text{ rpm}}{x \text{ rpm}}$$

$$14.22$$

Write ONLY answers below this line _____

SPRSet57

a: 95.20

b: 14.22