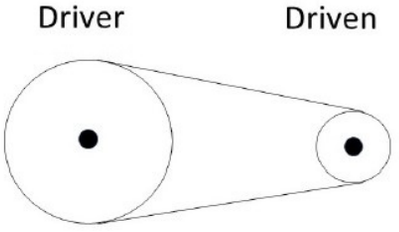
Name: Leela Prakash

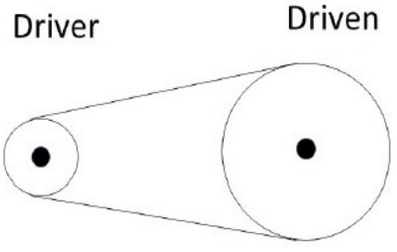
For the system of sprockets pictured, when driver sprocket = 48 cm, driven sprocket = 20 cm, and the input speed is 68 rpm, what is the output speed (precision of 0.01)?




$$\frac{20}{48} = \frac{68}{x}$$

$$x = 163.20$$

For the system of sprockets pictured, when driver sprocket = 18 cm, driven sprocket = 40 cm, and the input speed is 58 rpm, what is the output speed (precision of 0.01)?




$$\frac{40}{18} = \frac{58}{x}$$

$$x = 26.1$$

Write ONLY answers below this line _____

SPRSet60

a: 163.20

b: 26.10