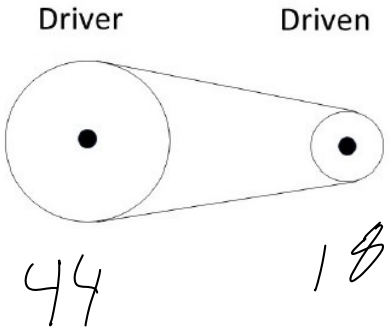
Name: Jai Pradhya

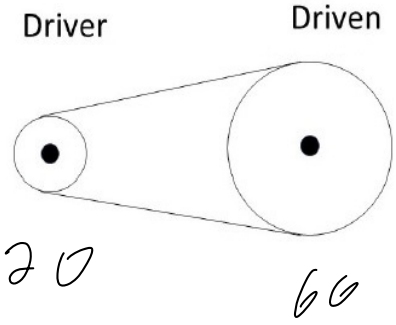
For the system of sprockets pictured, when driver sprocket = 44 cm, driven sprocket = 18 cm, and the input speed is 64 rpm, what is the output speed (precision of 0.01)?



$$\frac{44}{18} = \frac{x}{64}$$

$$x = 156.44$$

For the system of sprockets pictured, when driver sprocket = 20 cm, driven sprocket = 66 cm, and the input speed is 52 rpm, what is the output speed (precision of 0.01)?



$$\frac{20}{66} = \frac{x}{52}$$

$$x = 15.76$$

Write ONLY answers below this line _____

SPRSet59

a: 156.44

b: 15.76