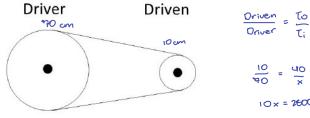
For the system of sprockets pictured, when driver sprocket = 70 cm, driven sprocket = 10 cm, and the output torque is 40 N-m, what is the input torque (precision of 0.01)?

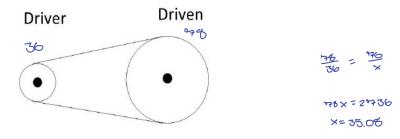


$$\frac{10}{90} = \frac{40}{x}$$

$$10x = 2600$$

$$x = 260$$

For the system of sprockets pictured, when driver sprocket = 36 cm, driven sprocket = 78 cm, and the output torque is 76 N-m, what is the input torque (precision of 0.01)?



Write ONLY answers below this line _____

SPRSet12

a: 260.00

b: <u>ან.0წ</u>