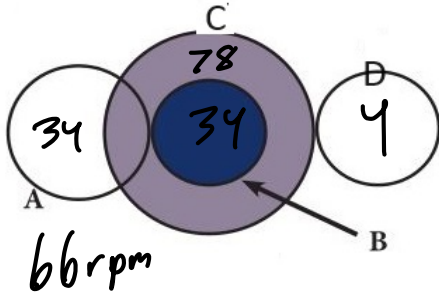


Name: Max Segundo

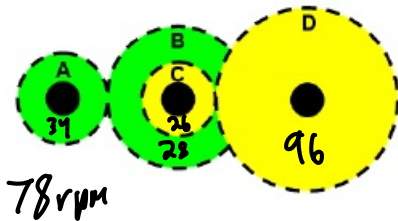
For the system of gears pictured, when gear A = 34 teeth, gear B = 34 teeth, gear C = 78 teeth, and gear D = 4 teeth, and the input speed is 66 rpm, what is the output speed (precision of 0.01)?



$$\left(\frac{1}{1}\right)\left(\frac{4}{78}\right) = \left(\frac{x}{66}\right)\left(\frac{4}{78}\right)$$

of. which gear?

For the system of gears pictured, when gear A = 34 teeth, gear B = 28 teeth, gear C = 26 teeth, and gear D = 96 teeth, and the input speed is 78 rpm, what is the output speed (precision of 0.01)?



$$\left(\frac{14}{28}\right)\left(\frac{96}{26}\right) = \left(\frac{x}{78}\right)\left(\frac{96}{13}\right)$$

$$14 \times 78 = 17x$$

$$\frac{1092}{17}$$

$$x = 64.24$$

Write ONLY answers below this line _____

GRSSet62

a: 66.00

b: 64.24