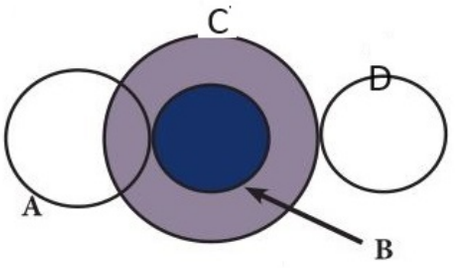
Name: Leela Prakash

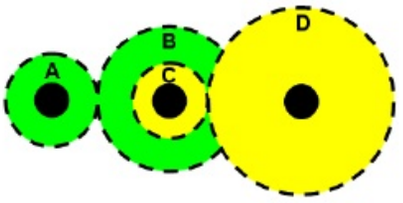
For the system of gears pictured, when gear A = 62 teeth, gear B = 12 teeth, gear C = 86 teeth, and gear D = 18 teeth, and the input speed is 86 rpm, what is the output speed (precision of 0.01)?



$$\frac{12}{62} \times \frac{18}{86} = \frac{86}{x}$$

$$\frac{216}{9332} = \frac{86}{x} \quad x = 2122.93$$

For the system of gears pictured, when gear A = 36 teeth, gear B = 26 teeth, gear C = 20 teeth, and gear D = 58 teeth, and the input speed is 72 rpm, what is the output speed (precision of 0.01)?



$$\frac{26}{36} \times \frac{58}{20} = \frac{72}{x} \quad = 34.38$$

Write ONLY answers below this line _____

GRSSet60

a: 2122.93

b: 34.38