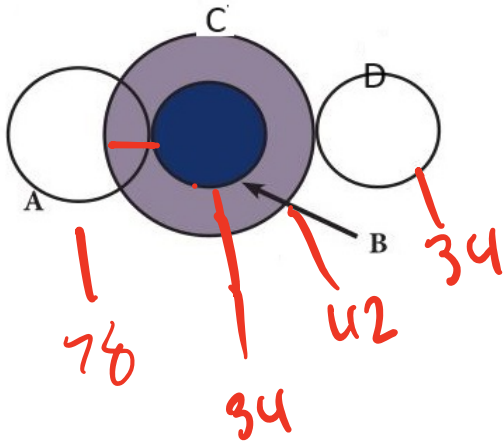


Name: _____

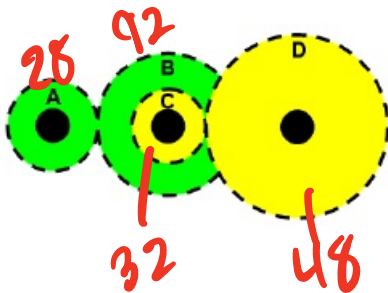
For the system of gears pictured, when gear A = 78 teeth, gear B = 34 teeth, gear C = 42 teeth, and gear D = 34 teeth, and the input speed is 86 rpm, what is the output speed (precision of 0.01)?



$$\frac{34}{78} \cdot \frac{34}{42} = \frac{1,156}{3,276} = \frac{86}{X}$$

$$243.72$$

For the system of gears pictured, when gear A = 28 teeth, gear B = 92 teeth, gear C = 32 teeth, and gear D = 48 teeth, and the input speed is 56 rpm, what is the output speed (precision of 0.01)?



$$\frac{92}{28} \cdot \frac{48}{32} = \frac{1,536}{2,576} = \frac{56}{X}$$

$$0.01 =$$

$$93.91$$

Write ONLY answers below this line _____

GRSSet58

a: 243.72

b: 93.91