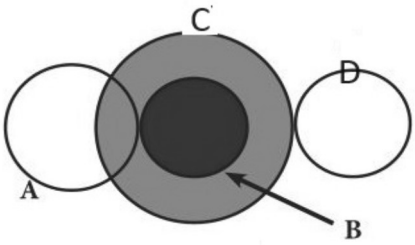
Name:_____

For the system of gears pictured, when gear A = 30 teeth, gear B = 24 teeth, gear C = 48 teeth, and gear D = 34 teeth, and the input speed is 82 rpm, what is the output speed (precision of 0.01)?

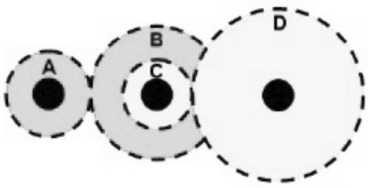


$\frac{30}{24}, \frac{48}{34}$ 1.7625

1.25 , 1.41

$\frac{82}{1.7625}$ 46.52

For the system of gears pictured, when gear A = 26 teeth, gear B = 30 teeth, gear C = 30 teeth, and gear D = 54 teeth, and the input speed is 54 rpm, what is the output speed (precision of 0.01)?



$\frac{30}{26}, \frac{54}{30}$ 2.07

1.15 1.8

$\frac{54}{2.07}$

Write ONLY answers below this line _____

GRSSet51

a: 46.52

b: 26.09