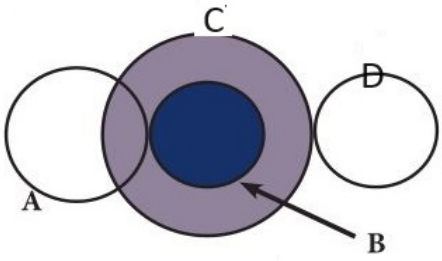
Name:_____

For the system of gears pictured, when gear A = 46 teeth, gear B = 34 teeth, gear C = 58 teeth, and gear D = 6 teeth, and the input speed is 88 rpm, what is the output speed (precision of 0.01)?

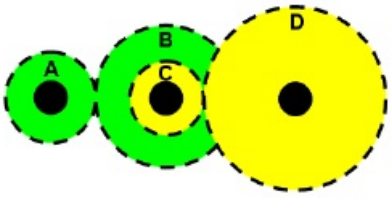


$\frac{\text{teeth out}}{\text{in}} = \frac{\text{speed in}}{\text{out}}$

$\frac{34}{46} \cdot \frac{6}{58} = \frac{204}{2668} = \frac{88}{x}$

$x = 1150.90$

For the system of gears pictured, when gear A = 36 teeth, gear B = 32 teeth, gear C = 32 teeth, and gear D = 50 teeth, and the input speed is 62 rpm, what is the output speed (precision of 0.01)?



$\frac{32}{36} \cdot \frac{50}{32} = \frac{1600}{1052} = \frac{62}{x}$

$x = 44.69$

Write ONLY answers below this line _____

GRSSet56

a:1150.90

b:44.64