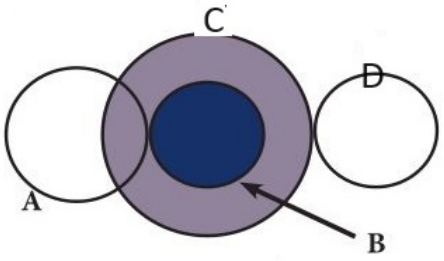
Name: Stefan

For the system of gears pictured, when gear A = 20 teeth, gear B = 38 teeth, gear C = 88 teeth, and gear D = 22 teeth, and the input torque is 68 N-m, what is the output torque (precision of 0.01)?

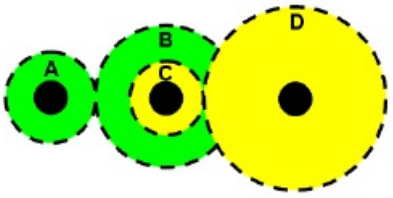


$= .475$

$\frac{38}{20} = 1.9$ $\frac{22}{88} = .25$ $.475 \times 68$

$\frac{\text{driven}}{\text{driven}}$ 32.3

For the system of gears pictured, when gear A = 30 teeth, gear B = 30 teeth, gear C = 20 teeth, and gear D = 96 teeth, and the input torque is 88 N-m, what is the output torque (precision of 0.01)?



$= 4.8$

$1 \quad \frac{96}{20}$ 4.8×88

422.4

Write ONLY answers below this line _____

GRSSet25

a: 32.30

b: 422.40