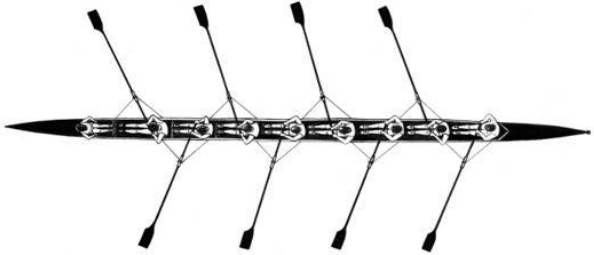
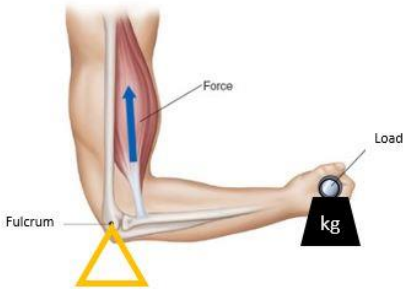
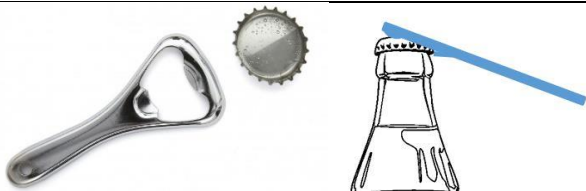


Levers and Gears homework sheet

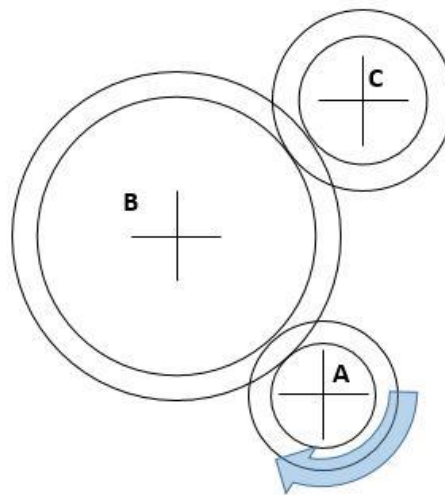
Levers	
What class of lever is an oar on a rowboat? Class 1	
What class of lever is a bicycle hand brake? Class 1	
What class of lever is a human arm? Class 3	
What class of lever is a bottle opener? Class 2	
What class of lever is a stapler remover? Class 3	

Gears

Gear A is rotating clockwise. In which direction with Gears B and C rotate?

B anti-clockwise

C clockwise

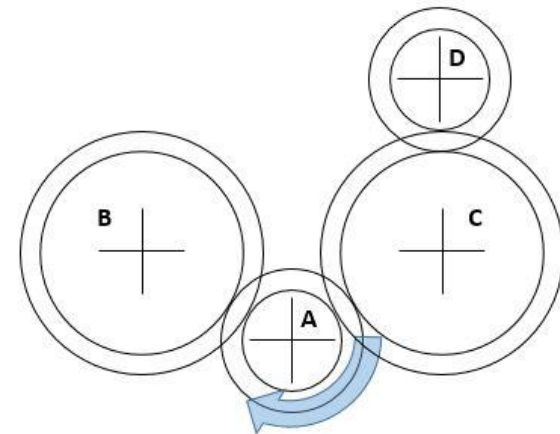


Gear A is rotating clockwise. In which directions will the other gears rotate?

B anti-clockwise

C anti-clockwise

D clockwise



What's the gear ratio between Gear A and Gear B?

$32/16 = 2$

What's the gear ratio between Gear C and Gear D?

$42/14 = 3$

How many times does Gear A have to turn to result in Gear D completing one revolution

6

If the Driver gear (A) is rotating anti-clockwise which direction is gear D rotating

Anti-clockwise

