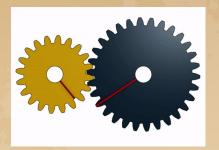
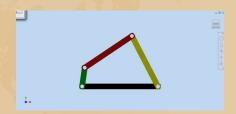


GEAR RATIOS

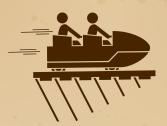


LINKAGES



ROTATION VS. TRANSLATION





YOUR GOAL







GEAR RATIO REVIEW

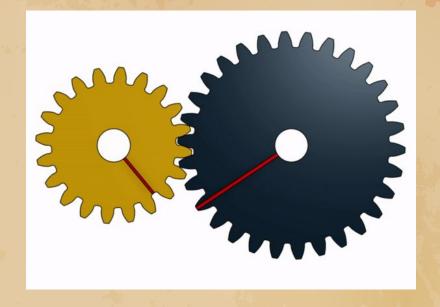


GEAR RATIO REVIEW!!!

How many revolutions does the blue gear make for one revolution of the yellow gear?

20 teeth

30 teeth



GEAR RATIO REVIEW!!!

How many revolutions does the blue gear make for one revolution of the yellow gear?

30 teeth 20 teeth **Driver** Driven

4

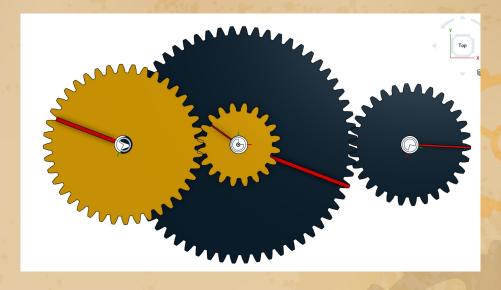
60 teeth

40 teeth 20 teeth

30 teeth

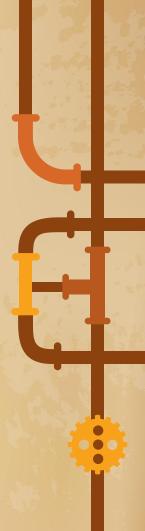
2

Solve this gear ratio!



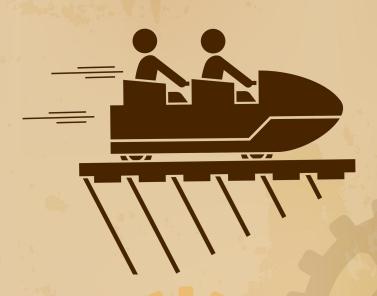


ROTATION **VERSUS** TRANSLATION



ROTATION VERSUS TRANSLATION



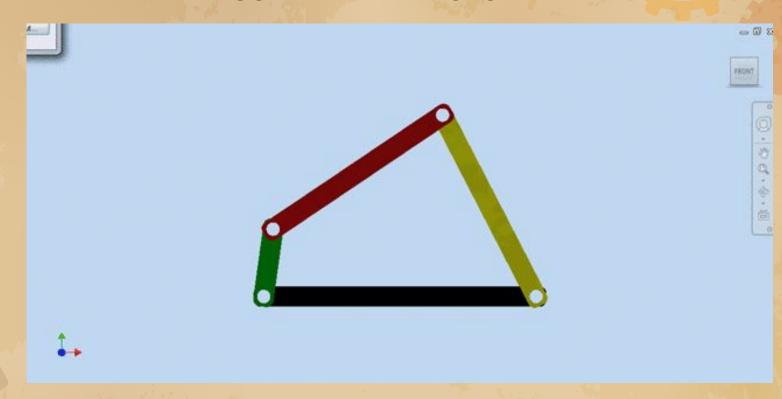




INTRO TO LINKAGES



FOUR-BAR LINKAGES



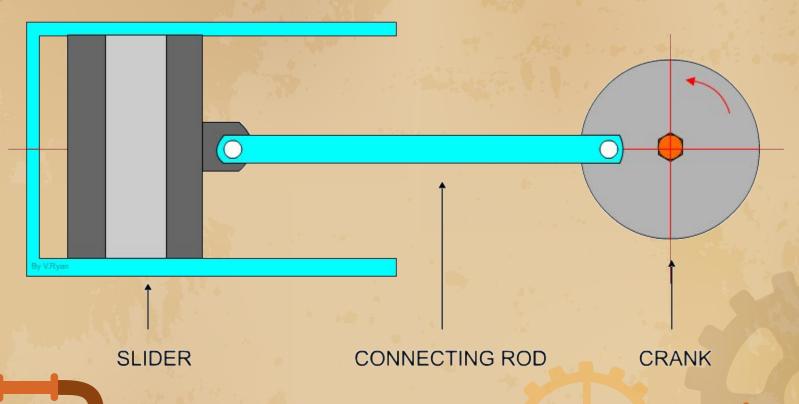
EXAMPLE OF FOUR BAR



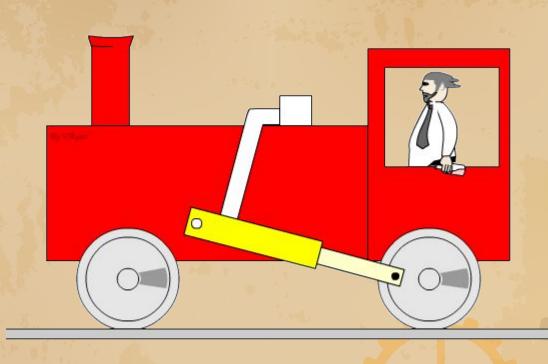
FOUR-BAR KNEE



CRANK AND SLIDER LINKAGE

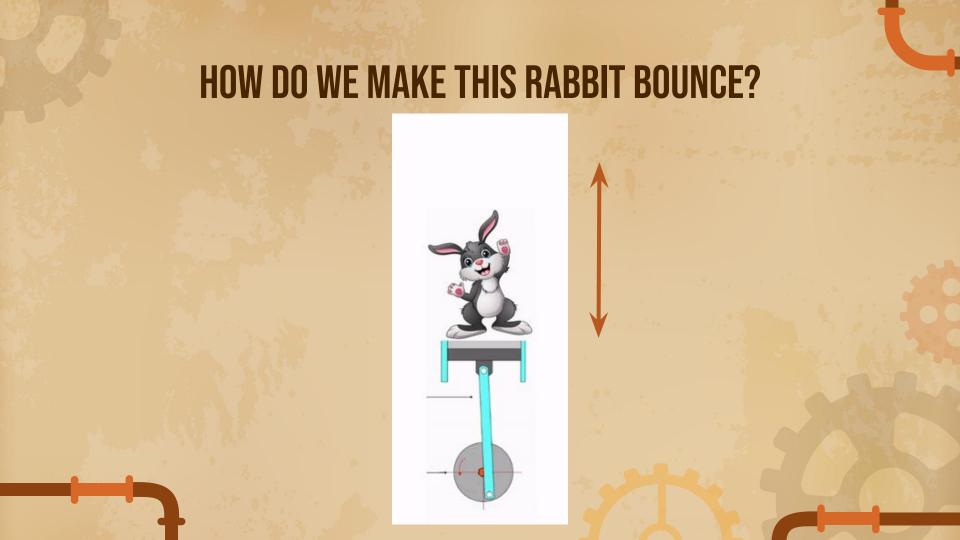


EXAMPLE OF CRANK AND SLIDER

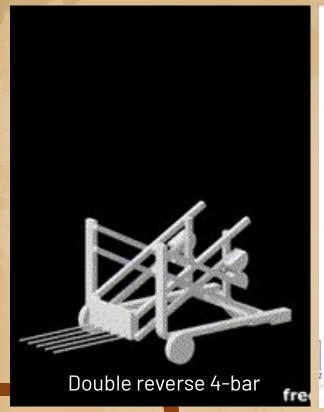


HOW DO WE MAKE THIS RABBIT BOUNCE?

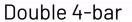


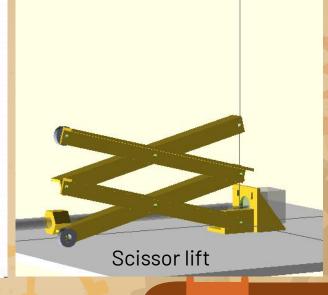


MORE WAYS THAN ONE!!!





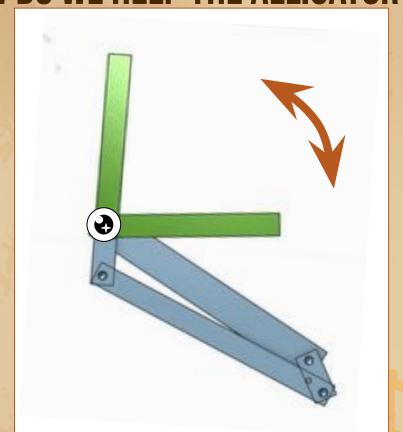


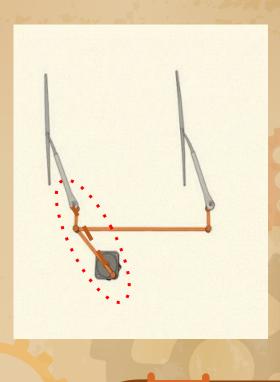


HOW DO WE HELP THE ALLIGATOR EAT?



HOW DO WE HELP THE ALLIGATOR EAT?





LET'S MAKE A SCENE USING LINKAGES!!!

