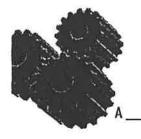
GEAR RATIOS





IS A GEAR THAT IS CONNECTED TO THE MOTOR OR THAT TURNS ANOTHER GEAR.

A ______ IS A GEAR THAT IS TURNED BY A DRIVER.

HOW DO YOU FIND THE TEETH RATIO?

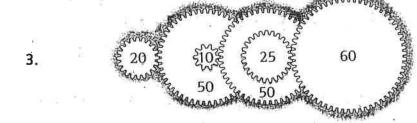
CAN A DRIVEN BE A DRIVER? WHY?

IF MY DRIVERS HAS 15 TEETH AND MY DRIVEN HAS 45 TEETH WHAT IS MY EQUATION?

CAN IT BE REDUCED?

WHAT DO I NEED TO DO TO FIND MY GEAR RATIO?

FIND THE RATIOS



5. \(\frac{25}{8} \) \(\frac{20}{100} \) \(\frac

6. \(\frac{25}{25} \) \(\frac{10}{25} \) \(\

7. \(\) \(

GEAR RATIO RECORDING TABLE

Drawing of Gear Pair (driver, driven)	Teeth on Driver Gear	Teeth on Driven Gear	Teeth Ratio (driver: driven)	Rotations of Driver Gear	Rotations of Driven Gear	Gear Ratio (driver rotations: driven rotations)
	15	45	e de	= 		
	45	15			,	
	15	75				4
	75	15				
8	45	75				
Shear (New Section Co.)	75	45				· ·

GEAR RATIO PRACTICE SHEET

Drawing of Gear Pair (disver, driven)	Teeth on Driver Gear	Yeeth on Driven Gear	lecth Ratio (driver: driven)	Rotations of Driver Gear	Rotations of Driven Gear	Gean Ratio (driver rotations: driven rotations))
i.	15		1:4			
Service Control	15	75 ,				
	10	21		5	1	
	25					5:1
	•		10:1			
		80				4:1
	20			5	3	
		24	3:1			