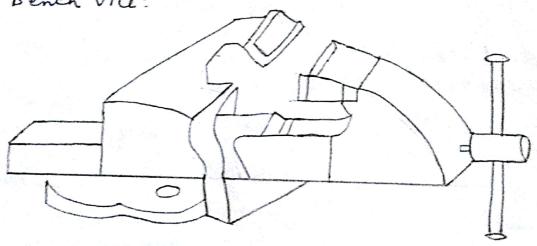
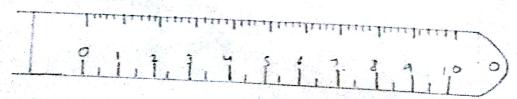
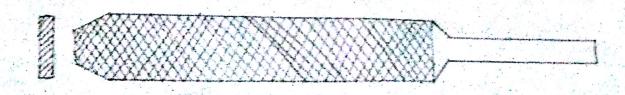
1. Name five important operations that are performed in fetting workshop and tooks used to perform there. -> 1) Filling -> flat file (Trianglar file, Hay Round file.) ii) Sawing - Hack - saw (11) Marking + Scriber is Drilling - Pillar drilling Machine v) Threading , Die and Tap (Rough, Intermediate, 2. Draw the following took used in filting shop with a mat sketch for each of them: -> i) Bench Vice:



) Steel rule



(v) Hole file



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03. new do you calculate the drill size for doing inturnal thread in a jub piece?

-> We can calculate proper drill top diameter using this simple formula:

Tap Qill diameter = (Normal diameter) - (Thread pitch)

D= T-2d)

D: drill diameter T = major diameter

d= pitch

in a job piece?

-> i) Rough ii) Intermediate iii) Firisher

5.) Name the tool used for making an eschural thread by hand and explain how the make an eschural thread by hand, using that tool.

-> Die is the tool used for making and eschound thread

By using a die, an external thread is made in following

i) place the tool that is to be thrusal in a bunch vice and

apply some gruce to it

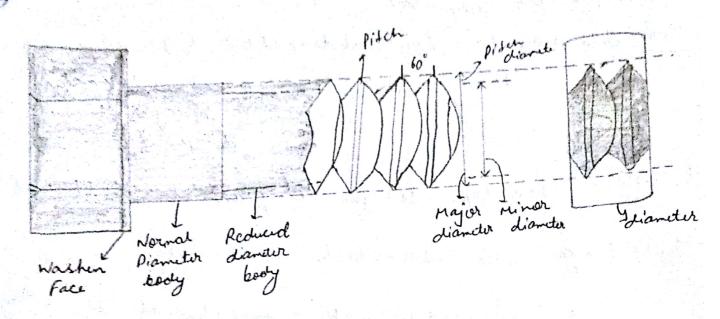
i) place the die on the top of the road and turn to create

(ii) Once a grip on the material has been made, twen the die a full rotation intel the material and then twin a quater, turns back to remove scraps.

iv) Kup twining the die until the depth of the thread is achieved.

V) cheack the threading wing an appropriate net.

06. Draw a typical thread and mark major diameter, miner diameter, P. Ich diameter and depth of thread.



07. What do the abbreviation mans - BSW, BSP, TPI as stand for in relation to thread?

-> a) BSW > British Standard Whiteworth, it was world's first national server thread standard BSP - British standard Pipe, it is a familiar of technical standard from screw thread that has been adopted for interconnecting and sealing pipes and fitting by an external thread with international. er TPI > Thread por Inch, it is simply a count of

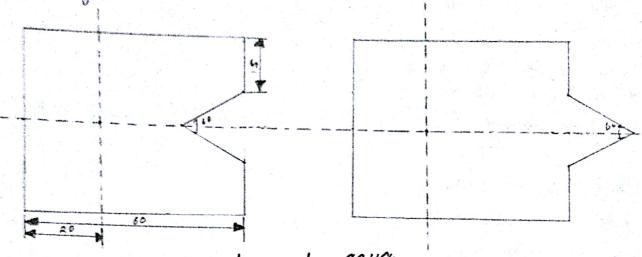
a number of threads per inch measured along the length.

Job: 1

Name of Jab: Making a Malicer Jemale gauge from MS plane. Raw Malirial: Mild stul plate.

Row Material Size: 60mm length x 50mm width x 5mm thickness

Job Diagram:



Sequence of operation for male gauge				
	operation	Schematic diagram	Tools Required	
1.	Filling, making a Parting of required length	60	rule, Try square, Benchvice, flat file.	
2.	Marking & filling Howe edges for parallelism & cquarens.		flat fit, Try Square	
	Surface pre-penation for marking		chalk, moter	
	Marking construction line as required		Scak, protector, Scriber, Centre p- unch, Hammer	
	Sawing along marking lines upto suquired as vortically.		Hack saw	

Management and an improve	manufacture and the second	ka izinah merebaikan bebaik d	Pg-7		
Sequence of aperation female Gauges:					
SI.NO.	operation	Schematic diagram	tool Required		
	marking construction lines as required		Scale, prote- tor, Scriber, lentre punch, planmer		
2	Sawing the 30° inclined Surface upto required length.		nack saw		
3.	Some operation as SINO. 2 for other Side of U		plack saw		
	filling all sow cut edges for final finishing		pot fil		
	chick Ing		stended component		

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Job-2

Name of Job: Making internal threads on mark or junale gauge plate, s'external threads on Mr. Rod to fit the internal thread.

Raw Materials: Mild steel plate and M: Rod

Raw material size: 60 mm length & somm width & smin thick and Ms Rod of 100 mm long & 8 mm dia.

