



3D DRAWING SET-UP INSTRUCTIONS

1. "EXTRUDE" the 2D shape by 1 inch.
2. Be sure to create the holes as shown. "SUBTRACT" them.
3. Assumptions for questions below:
Steel density: 0.283 lbs/cubic inch
Steel price: \$0.38/lb. Waste Material: 20%

3D DRAWING QUESTIONS

1. The volume of the 3D Solid is closest to:

- a. 36.834 cu. ins. b. 36.843 cu. ins. c. 36.483 cu. ins. d. 38.643 cu. ins. e. 36.143 cu. ins.
2. What is the cost of steel for 100 pieces of the part with the assumptions shown in note 3 above?

- a. \$475.04 b. \$457.45 c. \$745.45 d. \$475.45 e. \$474.55

3. The weight of one piece is closest to:

- a. 10.34 lbs. b. 14.03 lbs. c. 10.43 lbs. d. 10.63 lbs. e. 10.23 lbs.

4. The total "TIME" you have spent creating this part is: _____

5. The start Date/Time for your version of this drawing is: _____

6. Use the "SCALE" command to increase the part's size by a factor of 1.2. The new volume of the part is closest to:

- a. 63.656 cu. ins. b. 63.865 cu. ins. c. 66.365 cu. ins. d. 63.065 cu. ins. e. 63.665 cu. ins.

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<p>PRACTISE PLATE</p>							
CLIENT	THE EKHO INSTITUTE	Rev. 1	Instructors and IIS Improved, revised and enhanced.	DWG NO:			
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