

# Design & Manufacture

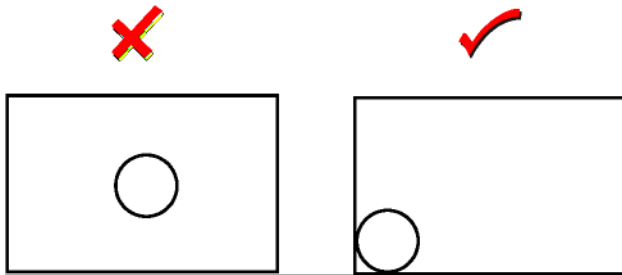
## Homework 11

### MARKING OUT WOOD

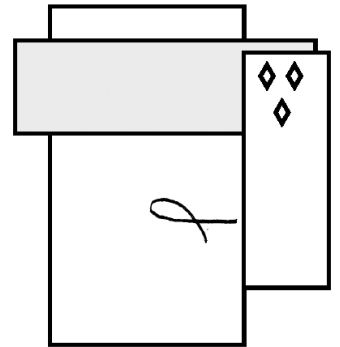
#### Positioning

When you wish to cut a shape from a manufactured board, you should mark it out in one corner in order to create as little waste as possible.

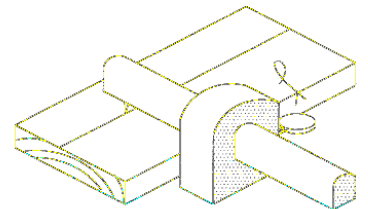
e.g. A circular base for a table lamp is required.



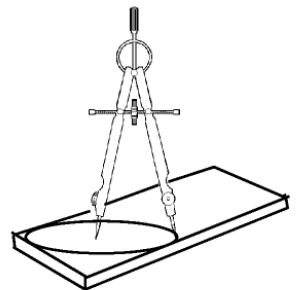
When you use a try-square to draw lines across the wood you should hold the square so that the handle is always touching a straight edge of the wood.



If you need to draw a line along the piece of wood, the most accurate way is to use a marking gauge. This will produce a scratched line which may need a pencil point run along it to make it easy to see. A scratched line cannot be rubbed out accidentally.



To mark out circles and arcs use a pair of dividers, (they have a sharp point on both legs).



For accurate marking out you need to use a marking knife instead of a pencil. The blade is a lot thinner than a pencil lead and it produces a scratched line.



# Questions

How can you reduce the amount of waste when cutting a shape from a large board?

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For accurate marking out of lines across a piece of wood show how the try-square should be placed ?

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What tool would you use to mark a line parallel to an edge?

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How can you tell the difference between a pair of dividers and a pair of compasses?

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