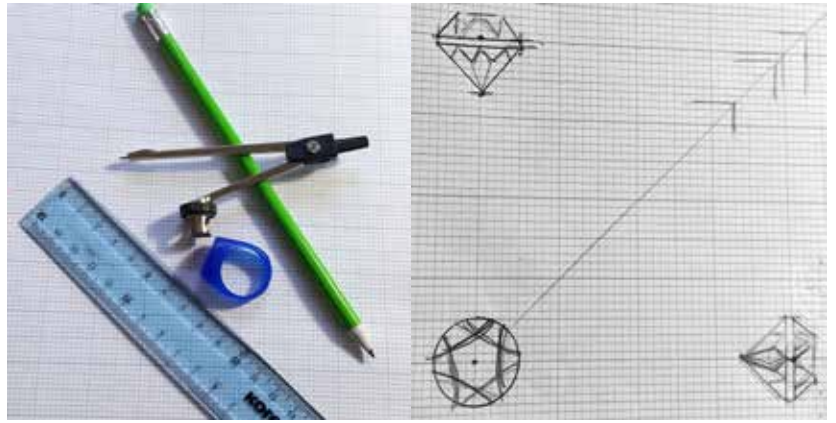


HOW TO;- GEMSTONE DRAWING

YOU WILL NEED: -

Graph paper with 2mm squares
Pencil / Pencil Sharpener or
Technical Drawing Pencil
Ruler
Compass
Eraser

Optional - circle or other shape stencils
Tracing Paper, Masking Tape



To draw a gemstone - you need to know the size of the stone, and the cut...

TIP - To start with - work on drawing round stones. Move onto other shaped stones once you're comfortable with the basics.

A cabochon stone has a flat back, and a domed top, sometimes with facets on the dome (rose cut).

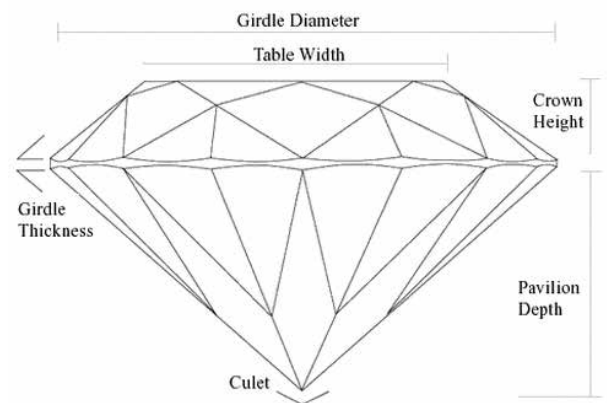
A faceted stone generally has a flat top (table), with an angled / faceted slope around the sides, going out to the widest point (girdle), then tapering down with facets coming to a point (culet) at the back.

TIP; - Keep it simple - if you are drawing a faceted stone - you can reduce the number of facets to make it easier to draw.

LAYOUT

We will be drawing at a 2-1 scale - our drawing will be 2 units for every 1 unit in real life.

Draw layout marks as usual - marking the centre points of the front, side and top view, and a diagonal line.



FRONT VIEW

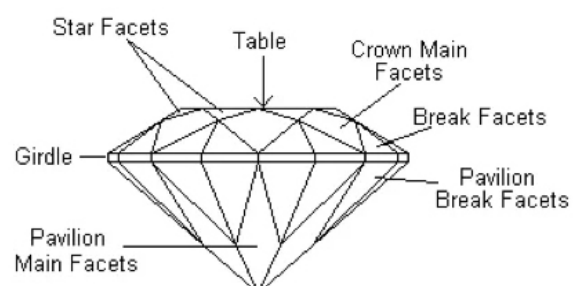
For a round stone - here you are drawing the round shape - measured to scale. For a smaller stone - you may choose to use a larger scale - it is easier to fit the facets onto a larger drawing!

Use a compass or stencil to draw the round shape, or for another shape - mark out your measurements - the width, the length, and then fill out your shape as needed.

To add in facets - either carefully inspect your actual stone, or if you are drawing an imagined stone, research gemstone cuts online, or work from the diagrams here.

A faceted stone has a flat top, with three different facets around the edges, then a girdle that can be just an edge, or wider, and then a star burst of facets coming up from the point (culet) to the girdle.

Round Brilliant Cut



OTHER VIEWS

For a round stone, the top and side view will look the same as each other. For other shapes of stone, they will show differently. This will show the depth of the stone, and the proportions.

Stones have very varied profiles, some with shallower crowns (top sections) wider or thinner girdles, for example.

There are many different ways of faceting stones as well - with different patterns of cuts. To show the cuts, if you have a good sharp pencil and are drawing a large enough scale, you can draw in the precise facets, or you can use lines to just give an idea of the facets (as I have in my drawing).

ANNOTATIONS

Add your name, the date, and the name or a reference number for the design neatly in one corner of the page, along with the scale you used.

You can also add measurements to your design, to ensure absolute clarity and note the cut type of gemstone you intend to use.

