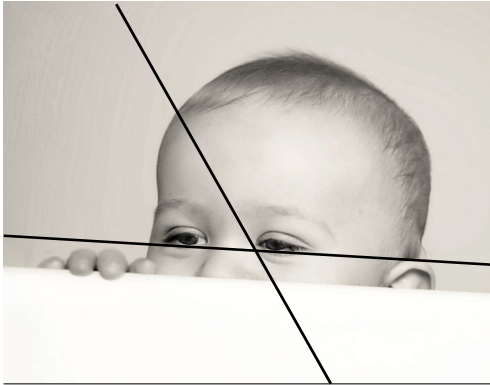




Step 1

Make a print of your reference photo.

If it's on regular paper, consider mounting to cardstock or a scrap piece of drawing paper.



Step 2

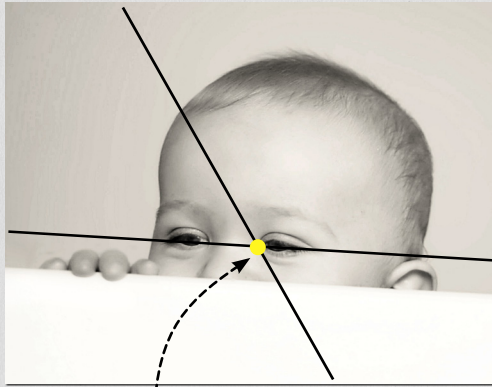
Make **VERTICAL** and **HORIZONTAL** bearing lines on your reference photo

The bearing lines do not need to be exactly parallel with the sides or top and bottom of your drawing paper. It helps if it they can intersect two distinct points in your reference photo such as the corner of an eye, and edge of a tooth or top of an ear or corners of the eyes.

Step 3

Select the placement on your drawing paper

Position the reference photo on your drawing paper at the desired placement. Then hold your pencil at the **BEARING POINT** on your reference photo and pull the reference photo out and mark the point on your drawing paper.

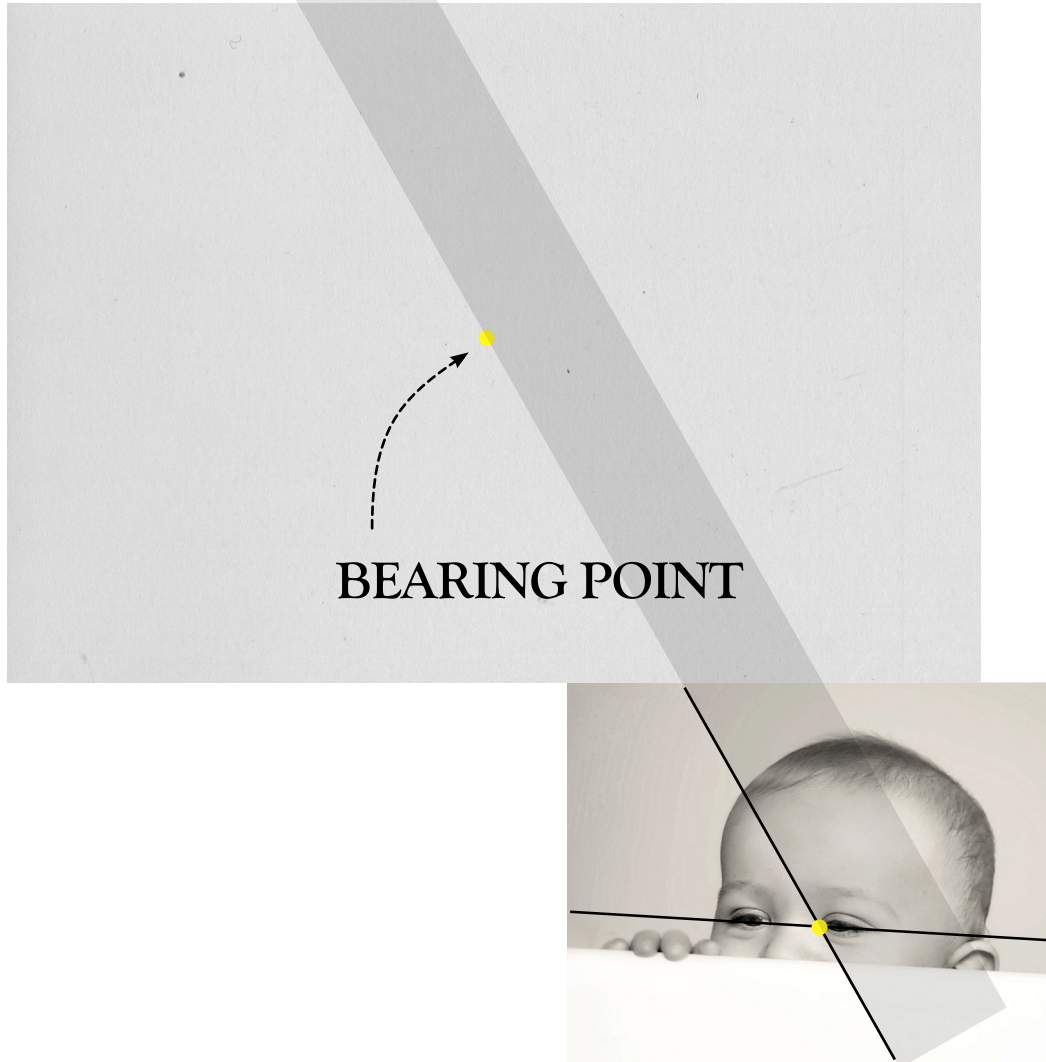


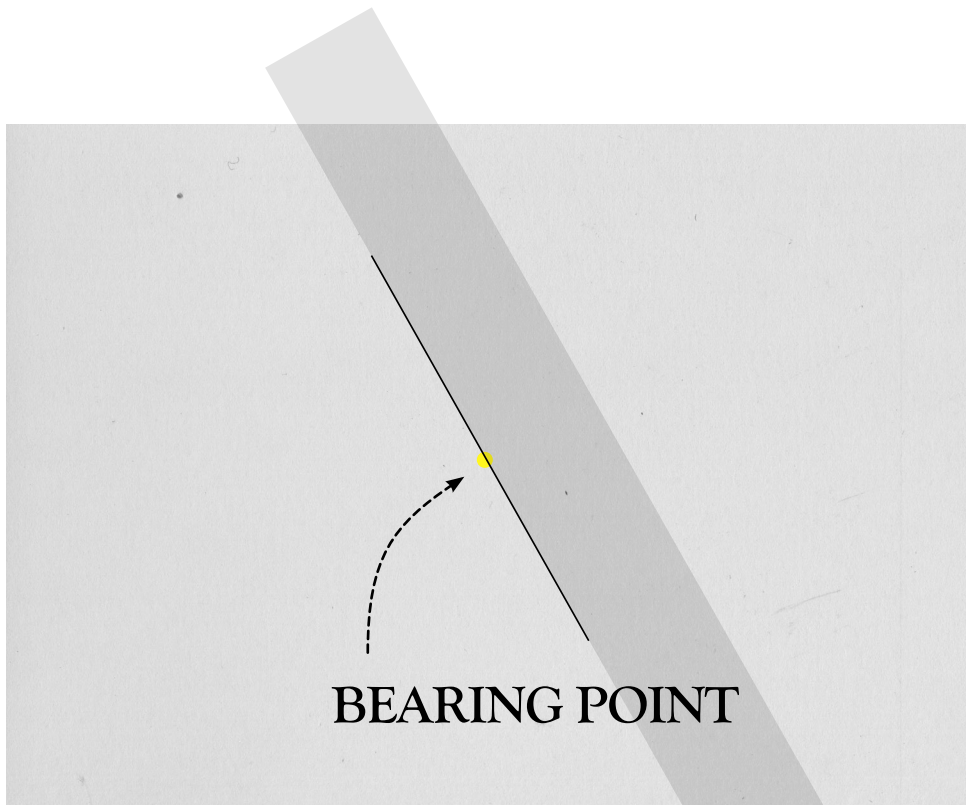
BEARING POINT

Step 4 (1 of 3)

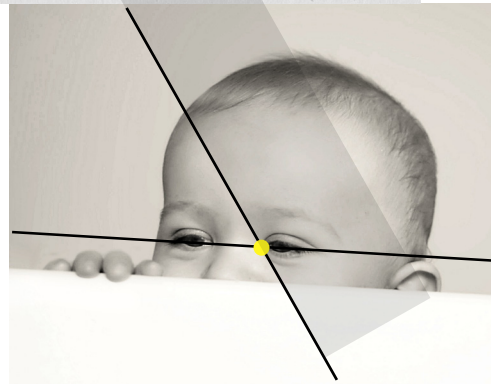
Transfer bearing lines to your drawing paper

Align your straightedge on the vertical bearing line on your reference photo.





BEARING POINT



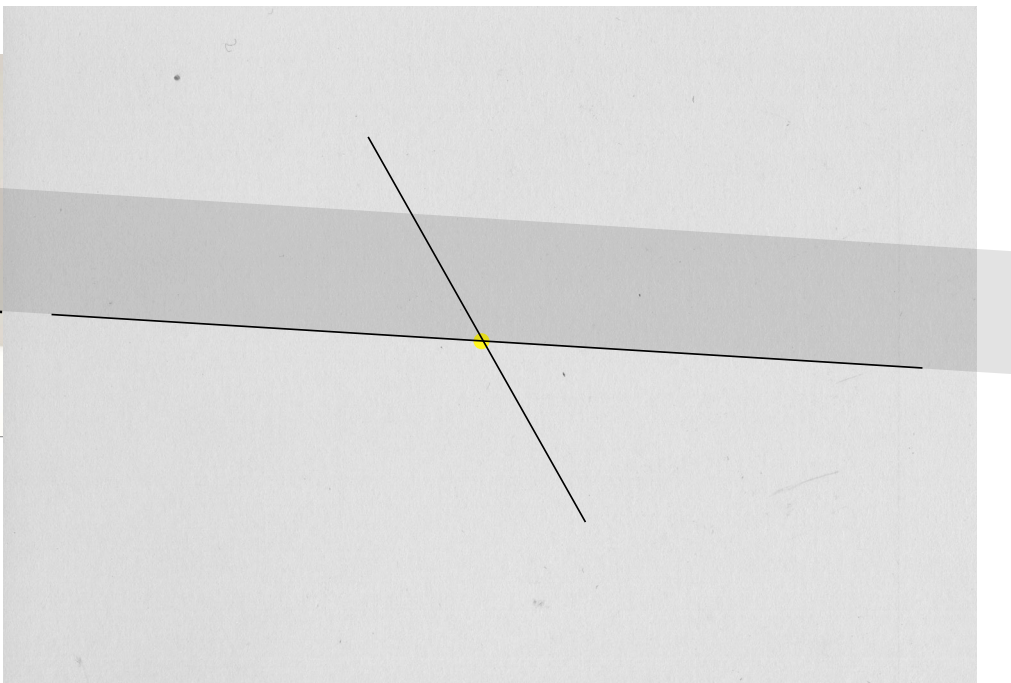
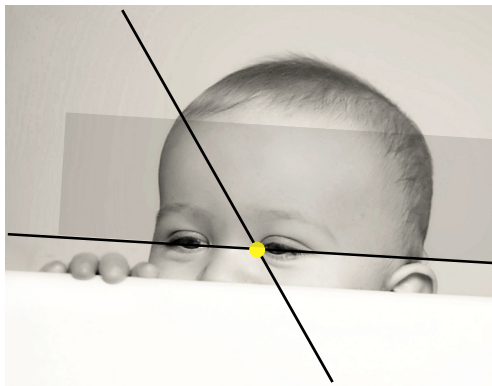
Step 4 (2 of 3)

Now, keeping the ruler and reference photo “locked” together, slide your reference photo parallel along the bottom of the drawing paper to align the ruler with the bearing point you made on your drawing paper.

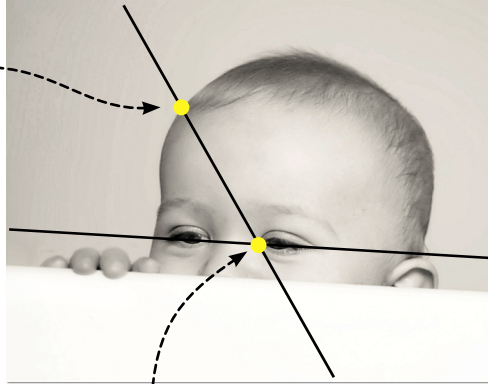
Lightly pull your pencil along the straightedge to make your vertical bearing line at the same angle as the vertical bearing line on your reference photo.

Step 4 (3 of 3)

Repeat process to draw the
HORIZONTAL BEARING LINE



REFERENCE POINT

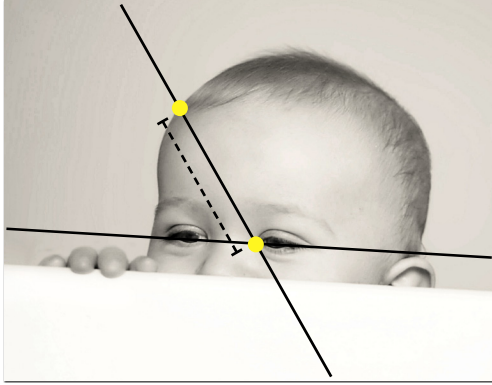


BEARING POINT

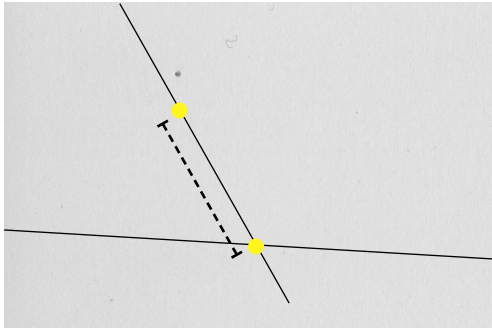
Step 5 (1 of 2)

Choose the **SIZE** of the drawing

With your divider, “measure” the distance between the **BEARING POINT** and another **REFERENCE POINT** on the vertical bearing line on your reference photo.



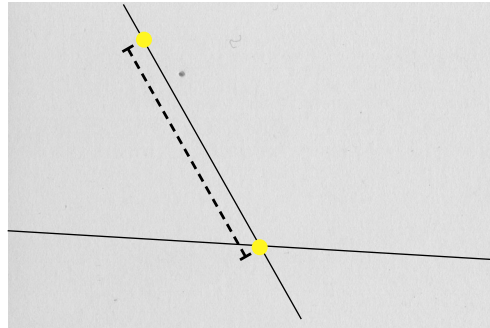
Same size



For a drawing that's the **SAME SIZE** as your reference photo, make a point on the vertical bearing line on your drawing at the same distance as it is on your reference photo.

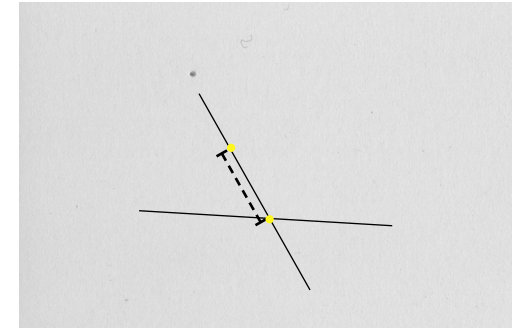
Step 5 (2 of 2)

1.5 times larger



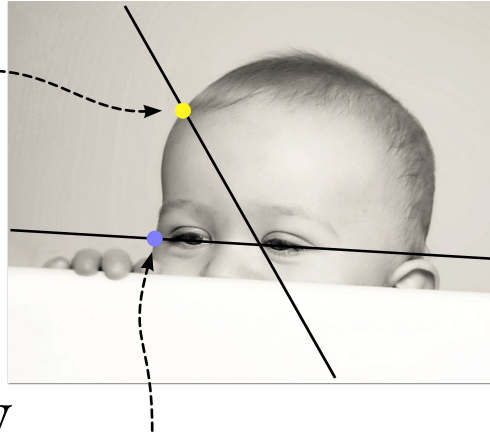
If you want to make your drawing **LARGER** than your reference photo, make the points further apart.

Half size



If you want to make the drawing **SMALLER** than your reference photo, make the points closer together.

SIZING
REFERENCE
POINT



NEW
REFERENCE
POINT

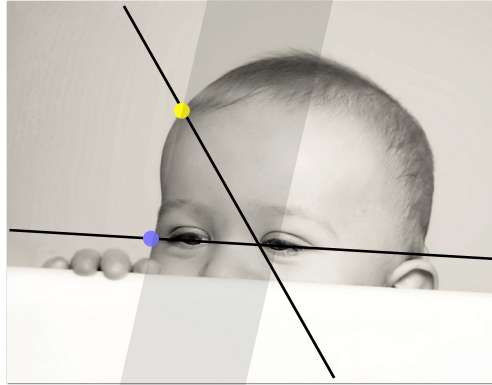
Step 6 (1 of 4)

Plot reference points

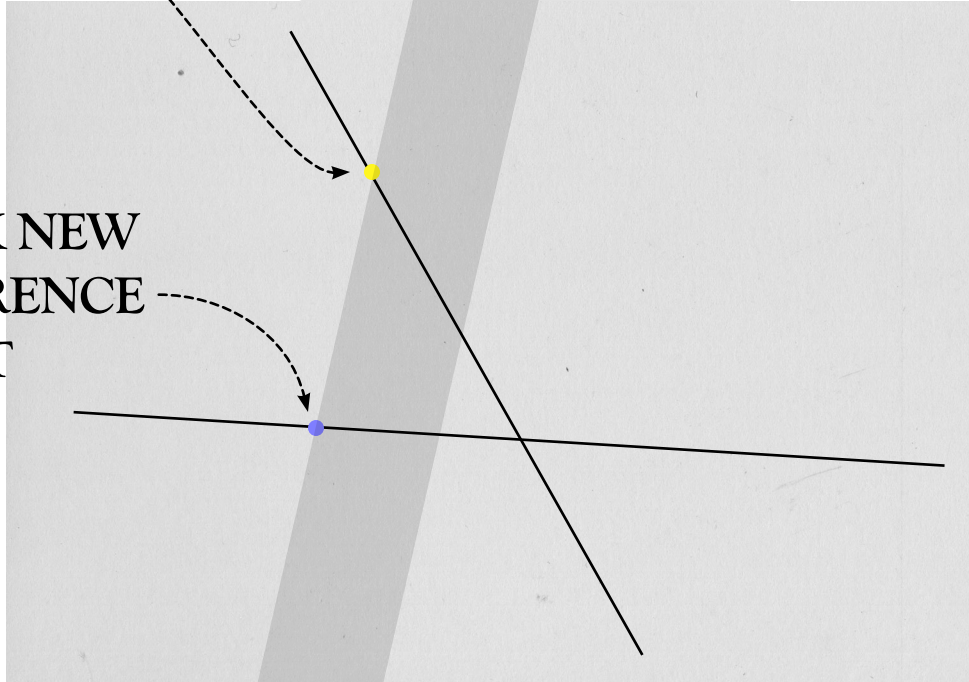
A reference point is a recognizable point on your reference photo such as the corner of an eye, mouth, tooth, nose, or a place where a bearing line crosses an edge.

The next page shows how to select reference points and transfer them to your drawing paper so that you can accurately freehand the remaining outlines.

KNOWN
REFERENCE
POINT*



MARK NEW
REFERENCE
POINT



*This reference point is known because it was already transferred to the drawing in the sizing step.

Step 6 (2 of 4)

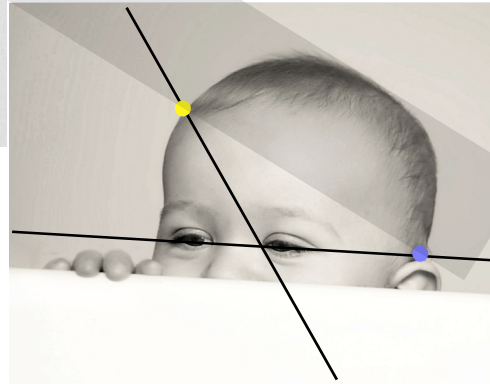
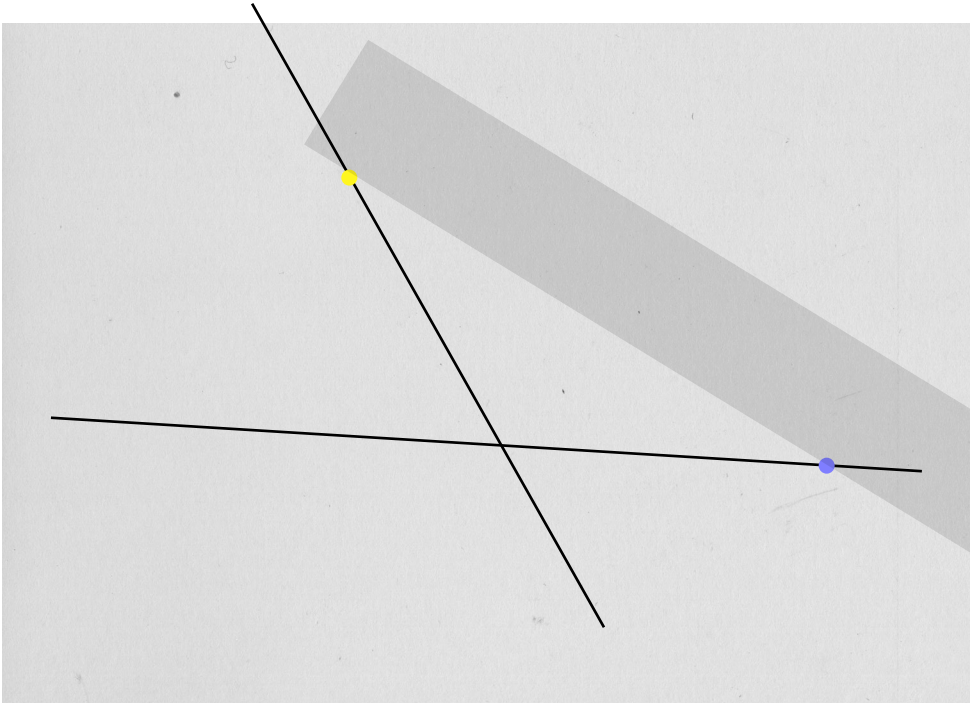
With the photo and straightedge “locked” to the “yellow” and “blue” points, keep the photo parallel to the drawing and align the straightedge with the “yellow” point on the drawing.

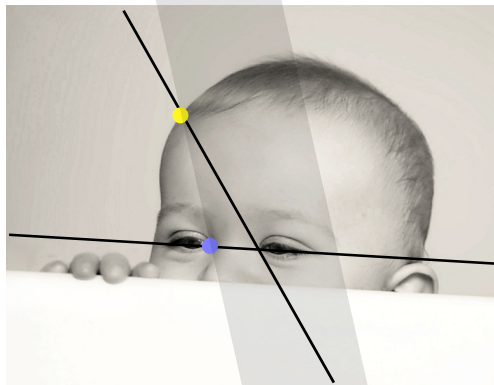
Mark the point where the straightedge crosses the HORIZONTAL BEARING LINE.

The next pages show more examples.

Step 6 (3 of 4)

Example for finding edge of head
(blue points.)





Step 6 (4 of 4)

Example for finding corner of eye
(blue points.)

