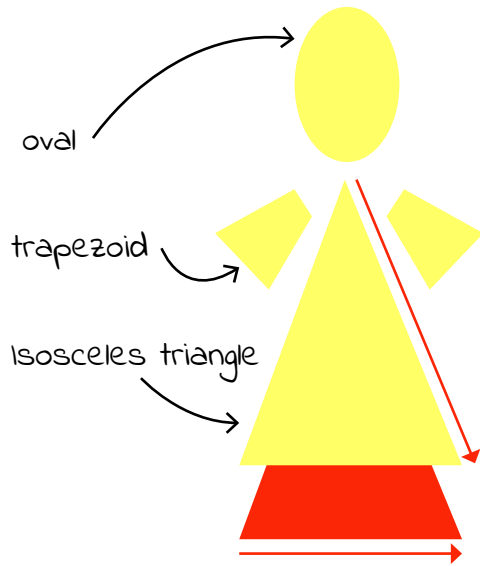


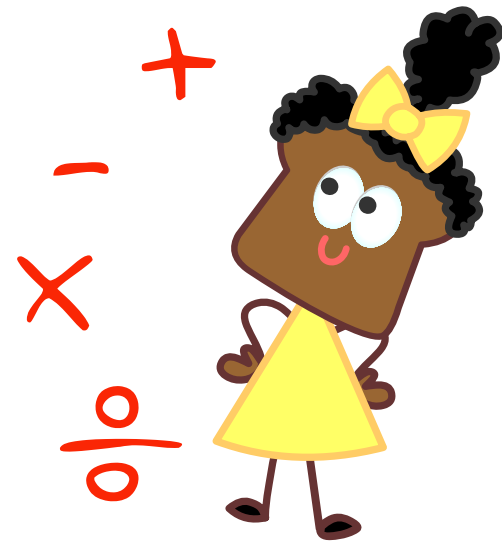
# Penelope: why you need to know math to design fashion

Fashion designers typically make sketches when they are working on new designs. When they draw the sketches, they tend to use geometric shapes to create the initial design.

Also, the designer has to know what the correct length and width will be for the pattern to determine how much fabric will need to be used.



You must measure the length and width in inches, then figure out how many yards of fabric you need to buy.



So, do you know how many inches are in a yard? If your dress is going to be 48 inches long, how many yards of fabric will you need?

Answer: 36 inches in a yard. 2 yards of fabric.