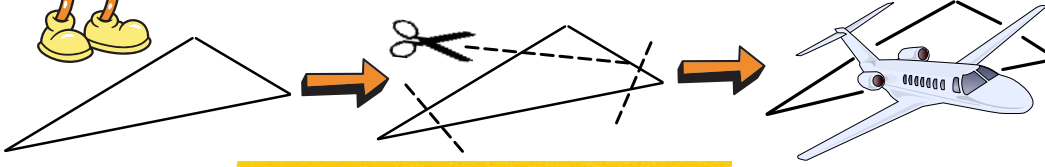


# ANGLES AND TRIANGLES

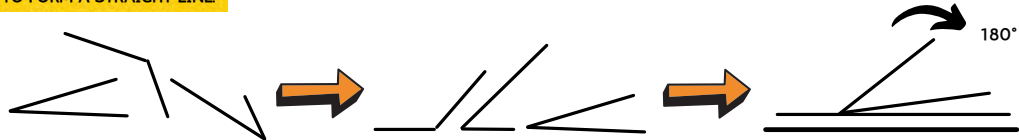
NO MATTER HOW BIG OR SMALL A TRIANGLE IS, IF YOU ADD UP THE THREE INTERIOR ANGLES THEY WILL ALWAYS EQUAL 180 DEGREES.

CUT THE ANGLES OFF.

TO SHOW THAT THIS IS TRUE WE CAN CUT OFF THE ANGLES OF ANY TRIANGLE AND PUT THEM BACK TOGETHER TO FORM A STRAIGHT LINE.



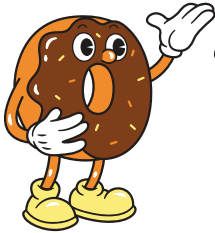
MOVE AND ROTATE THE ANGLES TO FORM A STRAIGHT LINE.



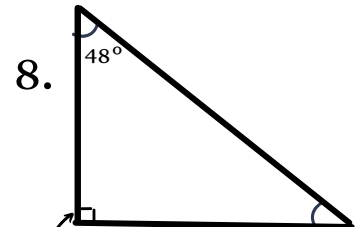
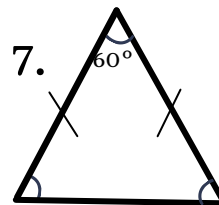
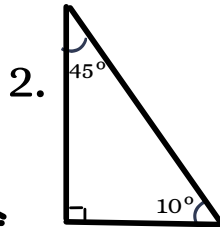
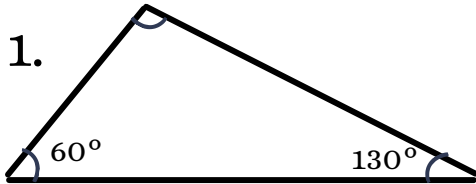
A STRAIGHT LINE ALSO KNOWN AS A STRAIGHT ANGLE EQUALS 180 DEGREES.

YOU CAN DO THIS TO ANY TRIANGLE. TAKE A PIECE OF PAPER, DRAW A TRIANGLE, CUT OUT THE ANGLES, AND TRY PROVING THIS ON YOUR OWN.

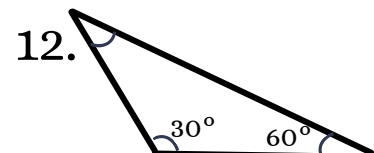
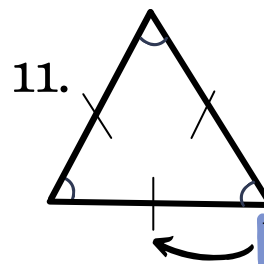
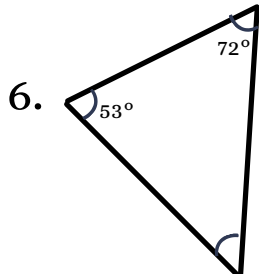
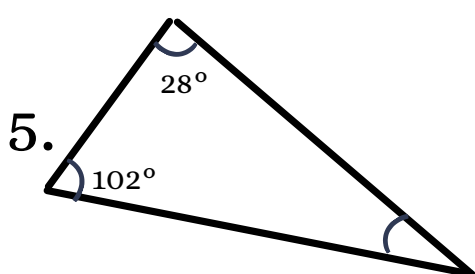
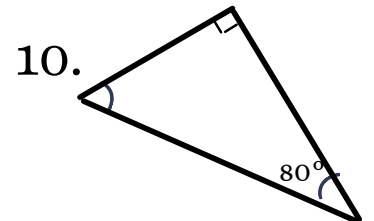
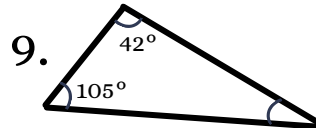
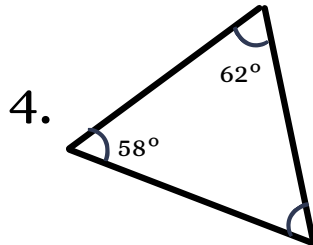
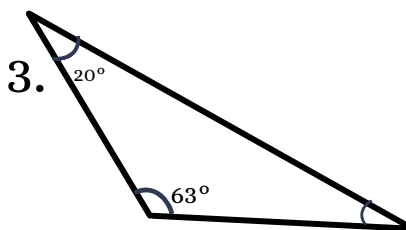
NOW THAT WE KNOW THE THREE ANGLES OF A TRIANGLE TOTAL 180 DEGREES, WE CAN FIND A MISSING ANGLE TO ANY TRIANGLE. CHECK OUT THE PROBLEMS BELOW.



## FIND THE MISSING ANGLE.



MEANS 90° ANGLE



THE TICK MARK TELL US THAT THE SIDES ARE THE SAME LENGTH AND THE OPPOSITE ANGLES ARE EQUAL.