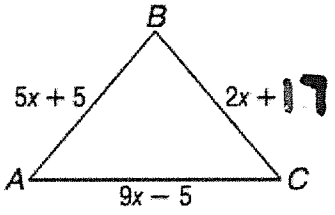
Pumpkin Glyph 1

Create your Pumpkin

Follow the directions below, showing <u>all of your work</u>:

Pumpkin:

Solve for x if the triangle below is isosceles and AB is congruent to BC.

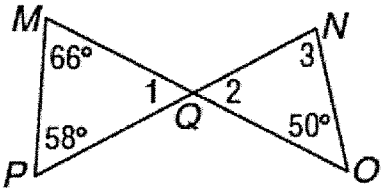


If the answer is 4, your pumpkin should be tall and skinny.

If the answer is 5, your pumpkin should be short and fat.

Eyes:

Solve for $\angle 2$



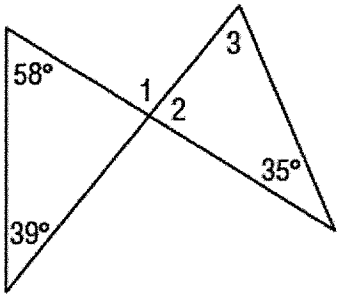
If the answer is 106, your pumpkin should have round eyes.

If the answer is 74, your pumpkin should have triangular eyes.

If the answer is 56, your pumpkin should have square eyes.

Nose:

Solve for $\angle 1$



If the answer is 83, your pumpkin should have a round nose.

If the answer is 62, your pumpkin should have a triangular nose.

If the answer is 97, your pumpkin should have a square nose.

Mouth:

Finally, the pumpkin needs a mouth. Solve the following problem. The FINAL answer will be how many teeth the pumpkin should have.

Find the measure of <u>each side</u> of equilateral triangle RST with RS = 2x + 2,

ST = 3x, and TR = 5x - 4.

***Color in the eyes, nose, and mouth in BLACK. Make sure you check with me to see if you are correct FIRST! Then, color the rest of your Jack-O-Lantern however you wish!

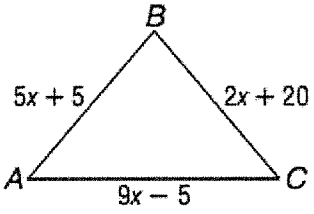
Pumpkin Glyph 2

Create Your Pumpkin

Follow the directions below, showing <u>all of your work</u>:

Pumpkin:

Solve for x if the triangle below is isosceles and AB is congruent to BC.

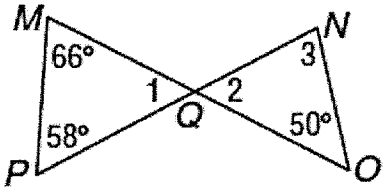


If the answer is 4, your pumpkin should be tall and skinny.

If the answer is 5, your pumpkin should be short and fat.

Eyes:

Solve for <3.



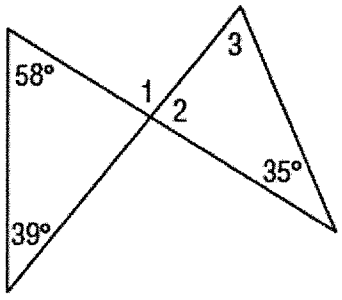
If the answer is 106, your pumpkin should have round eyes.

If the answer is 74, your pumpkin should have triangular eyes.

If the answer is 56, your pumpkin should have square eyes.

Nose:

Solve for <3.



If the answer is 83, your pumpkin should have a round nose.

If the answer is 62, your pumpkin should have a triangular nose.

If the answer is 97, your pumpkin should have a square nose.

Mouth:

Finally, the pumpkin needs a mouth. Solve the following problem. The FINAL answer will be how many teeth the pumpkin should have.

Find the measure of <u>each side</u> of equilateral triangle RST with RS = 2x + 2,

ST = 3x, and TR = 5x - 4.

***Color in the eyes, nose, and mouth in BLACK. Make sure you check with me to see if you are correct FIRST! Then, color the rest of your Jack-O-Lantern however you wish!