

Step 1 is to define the puzzle piece template – this one uses regular hexagons

Regular Hexagon

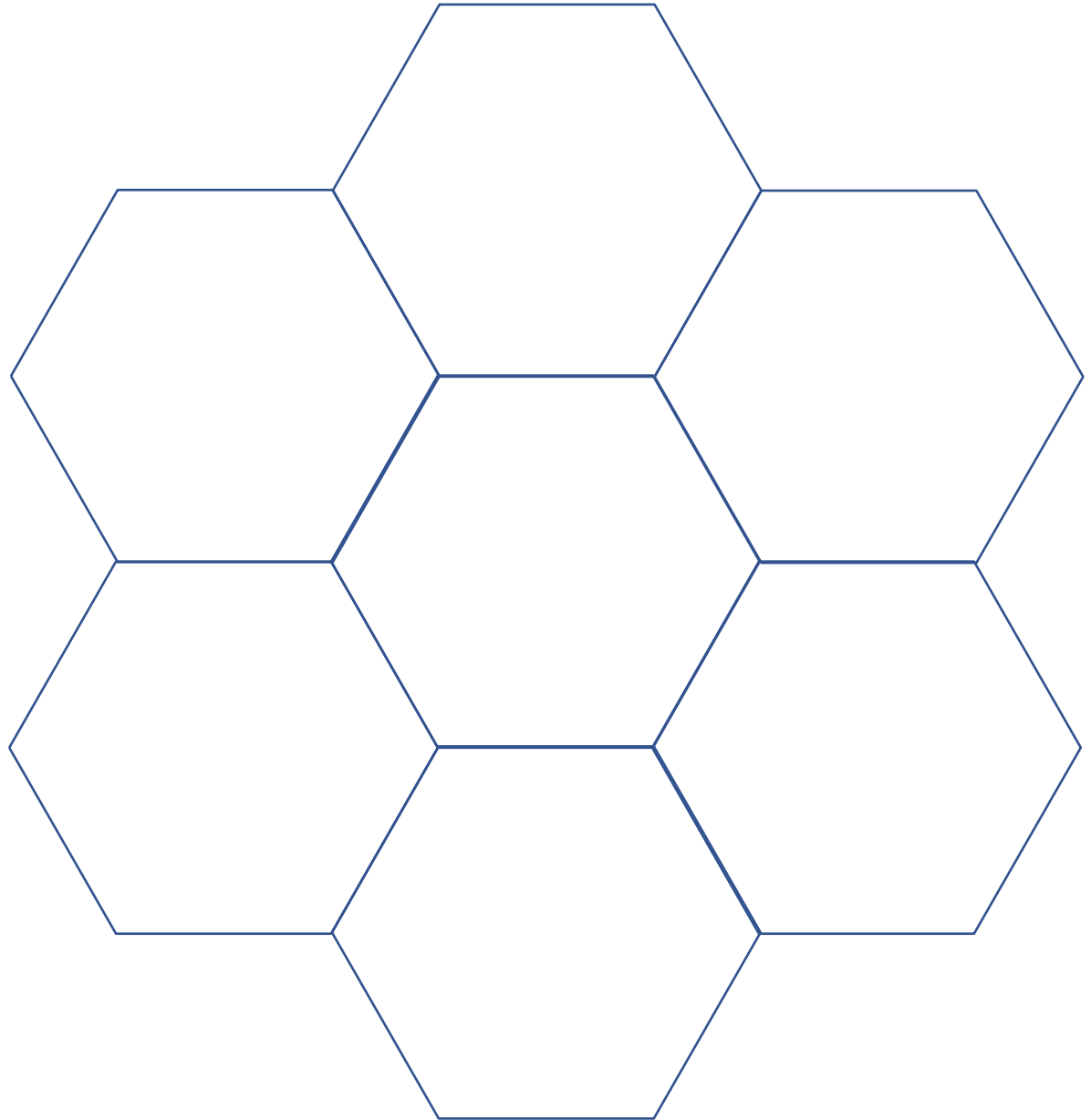
Height =  $\sin(60) * \text{Width}$

The default hexagon in powerpoint is not regular!

Use these created by moving the yellow dot shaping tool to force the inner angle to 120 degrees

Copy and paste the grouped set of hexagons and then rotate the pasted figure by 60 degrees to show that they overlay.

This is the puzzle template



Step 2: Select some icons (can be flipped) , make copies and rotate them at these various angles. If using black and white clipart, you can set the transparency color so the puzzle shows through

A

A

-30, -30 , 30, 30, 30, -90, 210



B

B

0, 0, 0, 0, 120



C

C

0, 0, -30, -60, 60, 180



D

D

0, 60, 60, 60



E

E

-30, -30, 30, 90



Reverse E

Reverse E

30, 30, 150



Step 3: Place the Icons on the template

A

A  
-30, -30, 30, 30, 30, -90, 210

B

B  
0, 0, 0, 0, 120

C

C  
0, 0, -30, -60, -60, 60, 180

D

D  
0, 60, 60, 60

E

E  
-30, -30, 30, 90

Flip Horizontal of E

30, 30, 150

