

ANSWER, FIND, AND COLOR

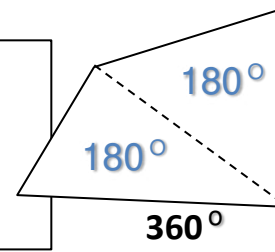
FIND THE MISSING ANGLE

ANSWERS

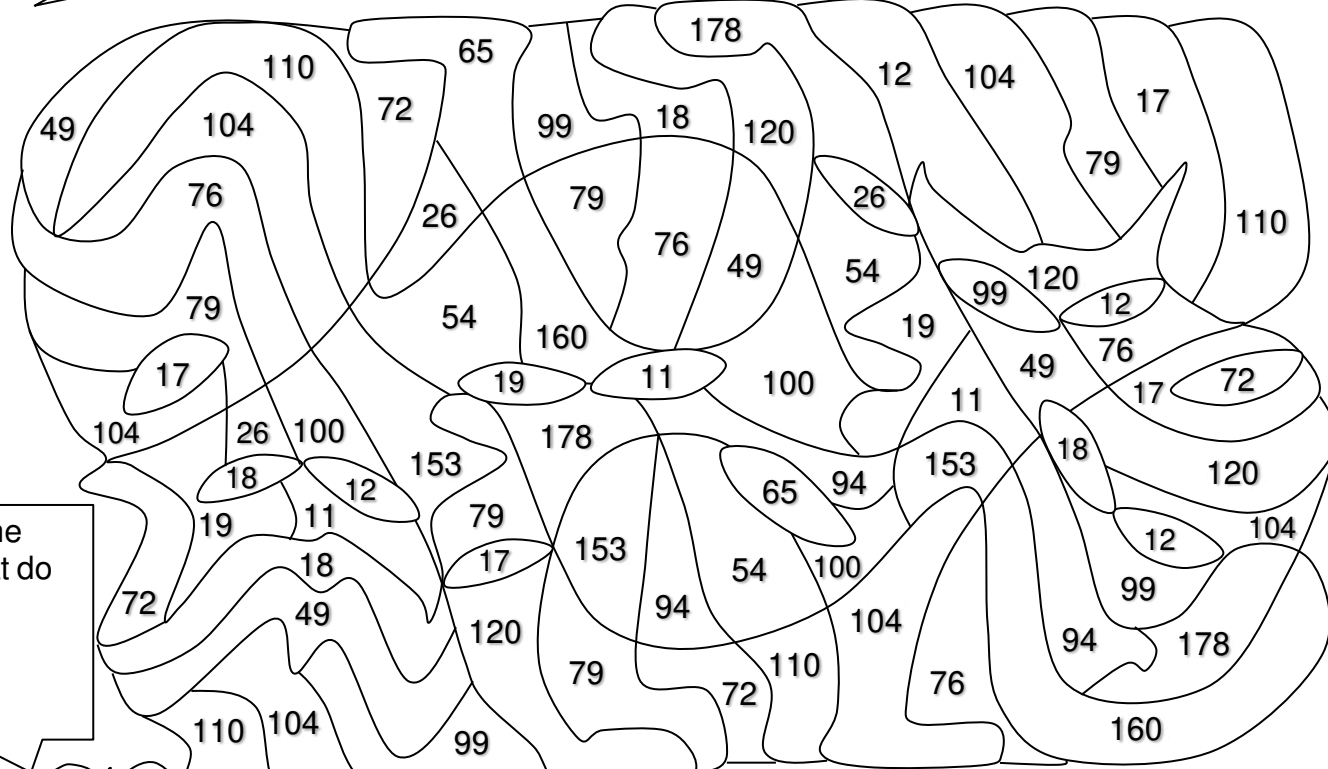
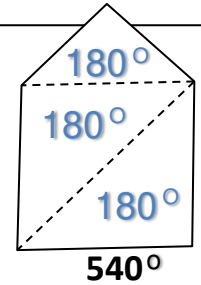
IF YOU ADD UP ALL THREE ANGLES OF A **TRIANGLE**, YOU WILL ALWAYS GET 180 DEGREES.



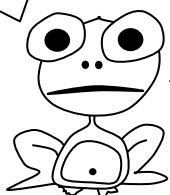
TWO TRIANGLES MAKE A **QUADRILATERAL**, WHICH MEANS IF YOU ADD UP ALL FOUR ANGLES YOU WILL ALWAYS GET 360 DEGREES.



THREE TRIANGLES MAKE A **PENTAGON**, WHICH MEANS THE SUM OF ALL FIVE ANGLES WILL ALWAYS EQUAL 540 DEGREES.



Do you see the pattern? What do you think the 6 angles of a **hexagon** will equal?



Choose two colors. As you solve the problems color in the shapes with the colors you selected. Use color one for all the answers that have the 1 and color two for all the answers that have the 2.

Find the missing angles.

COLORS 1 and 2

- 1 Triangle with angles 63, 17, ?
? = 100
- 1 Quadrilateral with angles 112, 98, 131, ?
? = 19
- 2 Pentagon with angles 61, 101, 97, 177, ?
? = 104
- 2 Triangle with angles 65, 39, ?
? = 76
- 2 Quadrilateral with angles 113, 84, 114, ?
? = 49
- 1 Hexagon with angles 123, 86, 100, 132, 185, ?
? = 94
- 1 Triangle with angles 143, 26, ?
? = 11

- 1 Triangle with angles 55, 60, ?
? = 65
- 2 Quadrilateral with angles 151, 37, 52, ?
? = 120
- 1 Pentagon with angles 136, 134, 109, 135, ?
? = 26
- 2 Triangle with angles 122, 41, ?
? = 17
- 1 Quadrilateral with angles 107, 162, 37, ?
? = 54
- 2 Triangle with angles 80, 88, ?
? = 12
- 1 Hexagon with angles 142, 83, 128, 50, 164, ?
? = 153

- 2 Triangle with angles 46, 35, ?
? = 99
- 2 Quadrilateral with angles 96, 98, 87, ?
? = 79
- 1 Pentagon with angles 58, 102, 70, 132, ?
? = 178
- 2 Triangle with angles 15, 93, ?
? = 72
- 2 Quadrilateral with angles 118, 99, 125, ?
? = 18
- 1 Quadrilateral with angles 47, 91, 62, ?
? = 160
- 2 Pentagon with angles 156, 131, 87, 56, ?
? = 110