

PROBLEM SOLVING

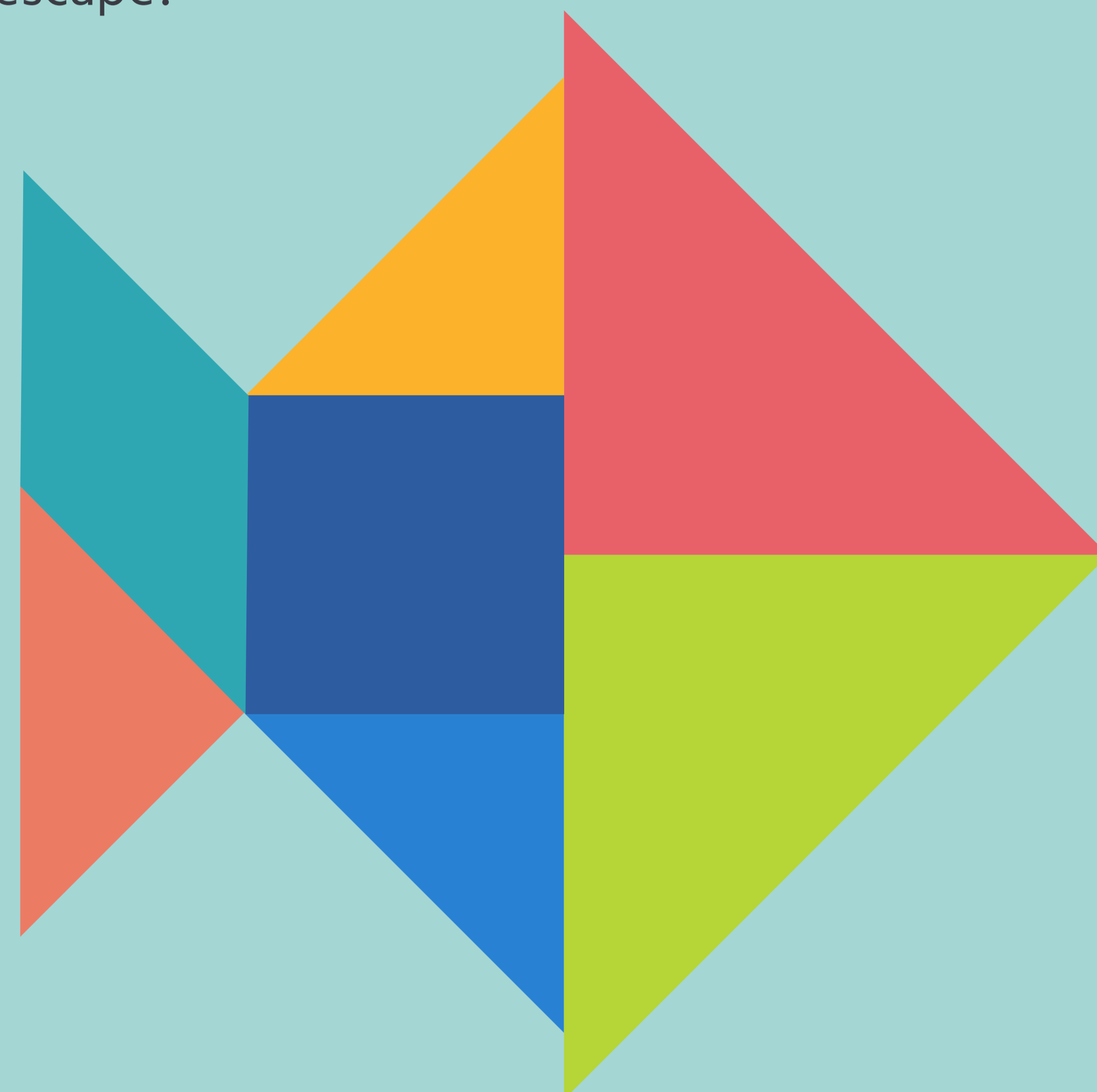
1 Challenge

Spy Seagull has been captured by an evil gang leader called The Shape Shifter. The only way The Shape Shifter will allow Spy Seagull to leave is if he designs him a new lair. The Shape Shifter also loves ancient puzzles, so he gives Spy Seagull a tangram to create his designs.

The tangram is an ancient puzzle. It consists of seven flat shapes, called tans. How many different lairs can you design to help Spy Seagull escape?

RULES

1. You must use all seven tans
2. The tans must lie flat
3. The tans must touch
4. None of the tans can overlap



1. Colour in your shapes and cut them out. You may need to ask a parent for help
2. Arrange the sets of shapes and make as many lairs as you can using the rules above. How many can you make?

