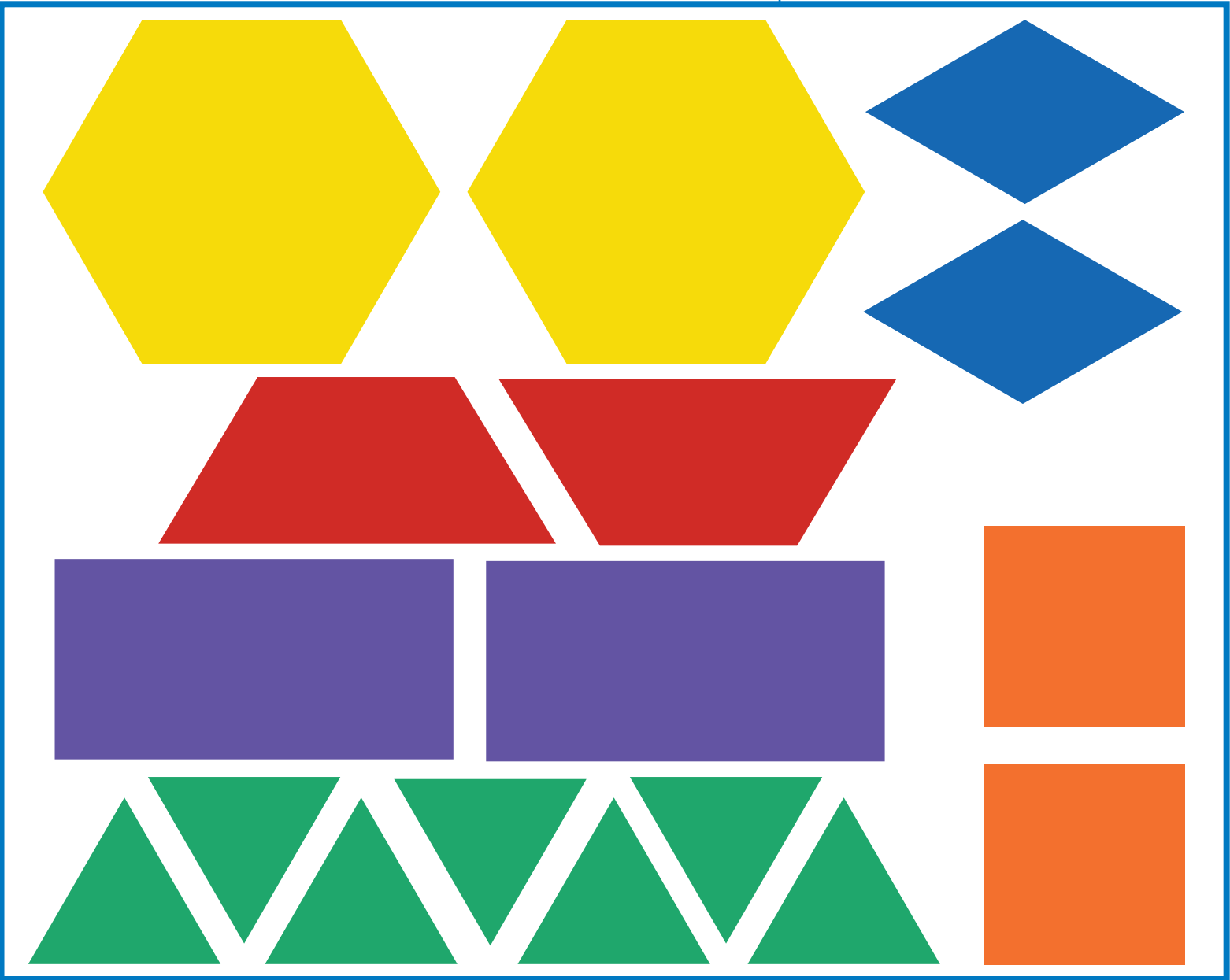




Shape Quest

Your Shape Toolkit



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Shape Quest

Figure It Out

Look at the shapes with your child. How many different kinds of shapes can you find? As your child identifies each shape, ask “How do you know?” questions:

- ➔ How do you know it's a triangle? (Because, it has three corners and three straight sides.)
- ➔ How do you know it's a rectangle? (It has four straight sides, and the opposite sides are equal in length.)
- ➔ How do you know it's a hexagon? (It has 6 sides.)
- ➔ How do you know it's a square? (The square is a special rectangle since all four sides are equal.)
- ➔ How do you know it is a trapezoid? (It has four straight sides and only two of the opposite sides are parallel.)
- ➔ How do you know it's a rhombus? (All four sides are the same length, opposite sides are parallel, and opposite angles are equal but do not have to be 90° . It is also called a diamond.)

Cut it out

Cut out each shape to create a toolkit. Use your shape toolkit to crack the cases on the next page.

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Shape Quest

Crack the Case

In the episode *Crime at Shapely Manor*, shapes have gone missing. It was a dark and stormy night when Olive and Otto got the call for help. Armed with their knowledge of shapes (and hopefully an umbrella!), the two Odd Squad agents try to get to the bottom of things.

Sharpen your child's knowledge of shapes with these four cases. Be sure to have your shape toolkit handy.

Case 1: Which Shape is Missing?

Hold a shape behind your back. Say, *I confess I stole a shape. But I won't give it back until you figure out which shape I stole.* Then, describe what the shape looks like. When your child names the correct shape, reveal it. Now it's your child's turn to steal a shape.

Case 2: How Many Ways?

Say, *I've got a secret. There's more than one way to make a hexagon. Using different shapes, how many ways can you combine them to make a 6-sided hexagon?* Have your child use the shape cutouts to figure it out.

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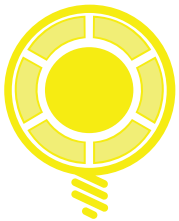
Shape Quest

Case 3: Shapes On The Loose

As you are out and about, let your child know, *There are shapes on the loose everywhere! We've got to find them and report back to Ms. O with their exact locations.* Then, name a shape and challenge your child to find that shape out in the world. You'll find rectangles in windows and doors; triangles hiding on the backs of envelopes; and many other shapes hiding on vehicles such as cars, buses, and trains. Those tricky shapes are everywhere! Keep a list of all the shapes that you find and their locations. You can keep track on your phone, your tablet, or on a piece of paper.

Case 4: Logo Challenge

Each Odd Squad department has its own logo. They are all pictured below. Ask your child, *If you had your own logo, what would it look like?* Challenge your child to create a personal logo using the shapes in the toolkit.



Maintenance



Science



Medical



Security



Agent



Executive

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