

## Section VI

### **Reasoning With Analogies**

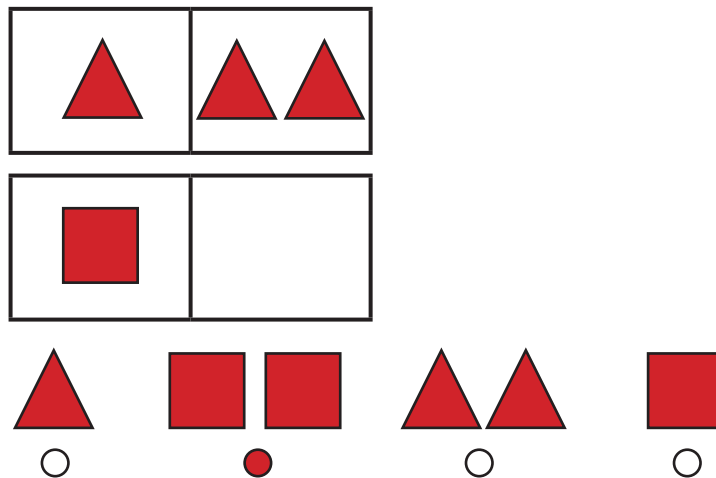
Analogies teach children how relationships are similar to one another. For example, even though “dogs” generally have nothing to do with “squares,” the relationship between a big dog and a little dog is like the relationship between a big square and a little square. The underlying concept is one of size.

This section covers four types of analogies that reflect:

1. change in relative degree, such as size or number (e.g., three dogs and one dog go together in the same way as three eggs and one egg),
2. part of a whole (e.g., a single rose is part of a whole bouquet),
3. change in position (e.g., a sun moving across the top of a square is like the same sun moving in the same direction at the bottom of the square),
4. and knowledge of typical functions, categories, or locations (e.g., a fish is typically found in an aquarium much like a cow is typically found in a barnyard).

Although it may be enough to simply answer the questions, discussion of the relationships can solidify clear thinking about analogies and also build confidence.

**1.**



Look at the picture in number 1. This is a new type of puzzle we’re going to be doing. Look at the pictures in the top boxes. There is one triangle. Right next to it, there are two triangles. One triangle and two triangles go together in a certain way.

In the bottom boxes, there is one square, and an empty box. Now look at the four pictures under the boxes. One of them belongs in the empty box. Which one is it?

It’s the one with two squares. Go ahead and mark the circle under it. You see, one triangle and two triangles go together in the same way as one square and two squares.

**2.**

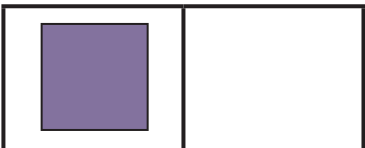
Now look at the pictures in the boxes in number 2. Mark the circle under the picture that belongs in the empty box.

In the top boxes, there's a picture of someone's hands and right next to it, there are some gloves. Hands and gloves go together in a certain way.

In the bottom boxes, there are someone's feet and an empty box. Look at the four pictures under the boxes. Which one belongs in the empty space? It's the socks.

Now, how do the hands and gloves go together? Gloves go on hands. How do the feet and socks go together? Socks go on feet. The two top pictures go together in the same way as the two bottom pictures.

We're going to do more puzzles like the ones we just did. For all of these, the pictures in the top boxes go together in a certain way. Your job is to look at the picture in the bottom box and decide what belongs in the empty space next to it.

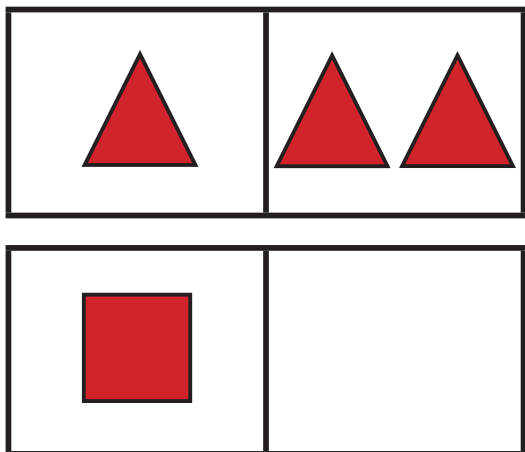
**3.**

Now try number 3. Mark the circle under the picture that belongs in the empty box.

In the top boxes, there's a big dog, and then there's a dog that looks just like it, only smaller.

In the bottom boxes, there's a big purple square and an empty box. Big dog and little dog go together in the same way as what? Big purple square and little purple square. Mark the circle under the little purple square if you haven't already.

1.



2.

