**Use this exercise to learn more about making a table.**

Micah has 3 shirts to wear to school. They are red, blue, and green. He also has 3 pairs of pants to choose from. They are tan, black, and brown. How many different combinations can he wear?

*Problem Solving: Make a Table*

Organizing information into a table is one strategy that you can use to solve problems.

**Reteach**

**Brown**

**Black**

Red, Tan

**Tan**

**Green**

**Blue**

**Red**

**Pants**

**Shirts**

Look back at the exercise. Is there another way to find the number of combinations? Multiply. Number of shirts × Number of pants = Total number of combinations.

3 × 3 = 9

**Step 4**

Check

Fill in the table with each of the combinations. Count each combination.

**Step 3**

Solve

A table is a good way to organize your information. Make a table to solve the problem.

**Step 2**

Plan

**•** You know that Micah has 3 different shirts: red, blue, and green.

**•** You know that he also has 3 different pairs of pants: tan, black, and brown.

**•** You need to find how many different combinations of one shirt and one pair of pants he can wear.

**Step 1**

Understand

**Grade 3 • Chapter 4** Understand Multiplication

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**Lesson 5**

Name Date

After school, Carlos can play basketball, ride his bike, or draw

with chalk. He can do any of these activities at home, at his friend’s house, or at the playground. From how many different combinations of activities and places can Carlos choose?

Isaiah has a dog-walking business. The first week he walked

1 dog. The second week he walked 2 dogs. The third week he walked 3 dogs. If this pattern continues, how many dogs will Isaiah walk the seventh week?

Alejandro is painting butterflies. He can use orange, blue,

green, or yellow paint for the wings of each butterfly and brown or black paint for the body. How many possible color combinations can Alejandro make for the butterflies?

**Reteach**

**Grade 3 • Chapter 4** Understand Multiplication

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Kelly earns $5 every time she washes her neighbor’s car.

How many times will she need to wash the car to earn $45?

**4.**

**3.**

**2.**

**1.**

*(continued)*

*Problem Solving: Make a Table*

**Solve.**

**Lesson 5**

Name Date