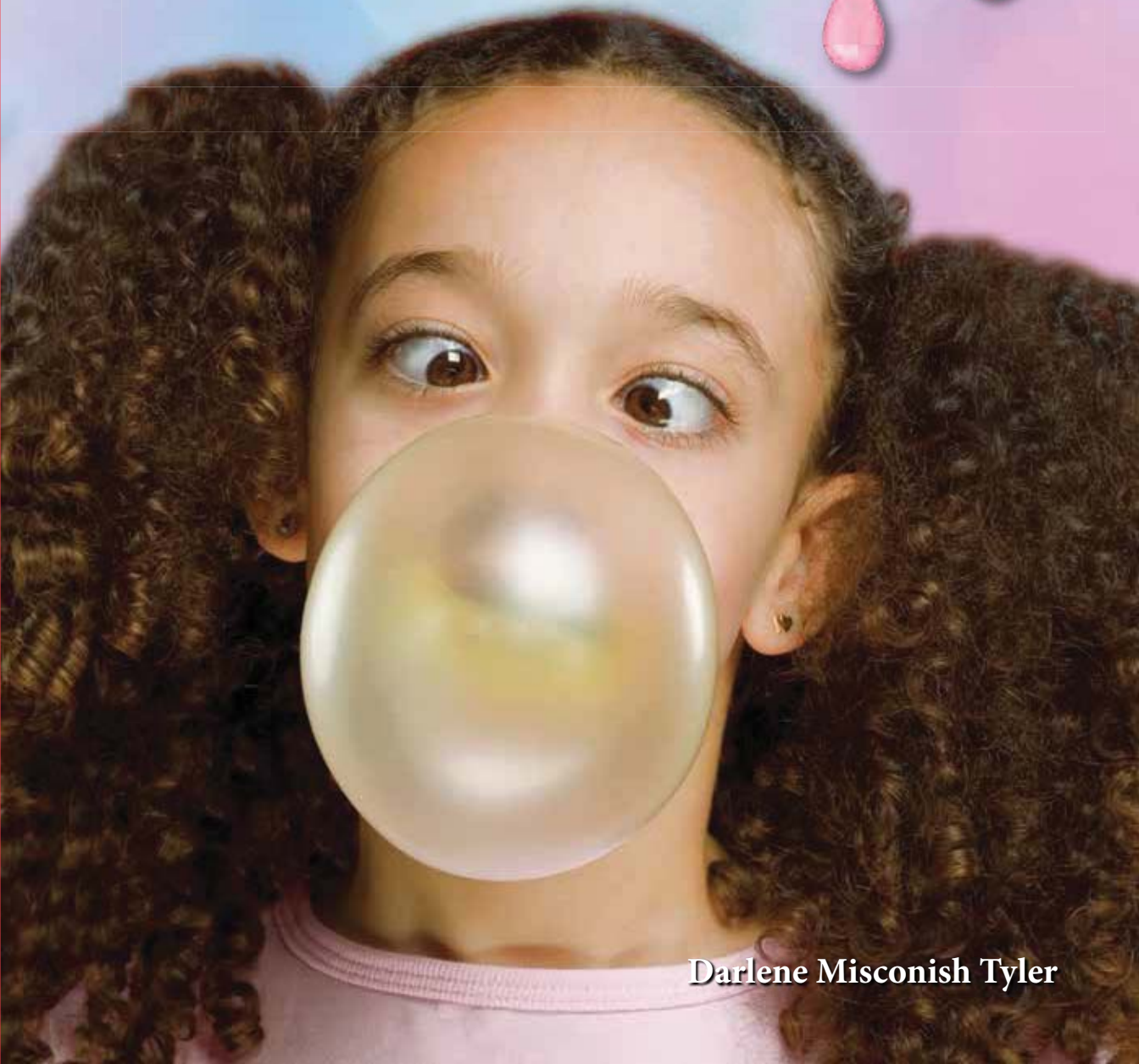
3 + □ = 12

18 – 6 + 2 = □

Your World

Bubblegum

Addition and Subtraction



Darlene Misconish Tyler



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For Review Only

Pop!

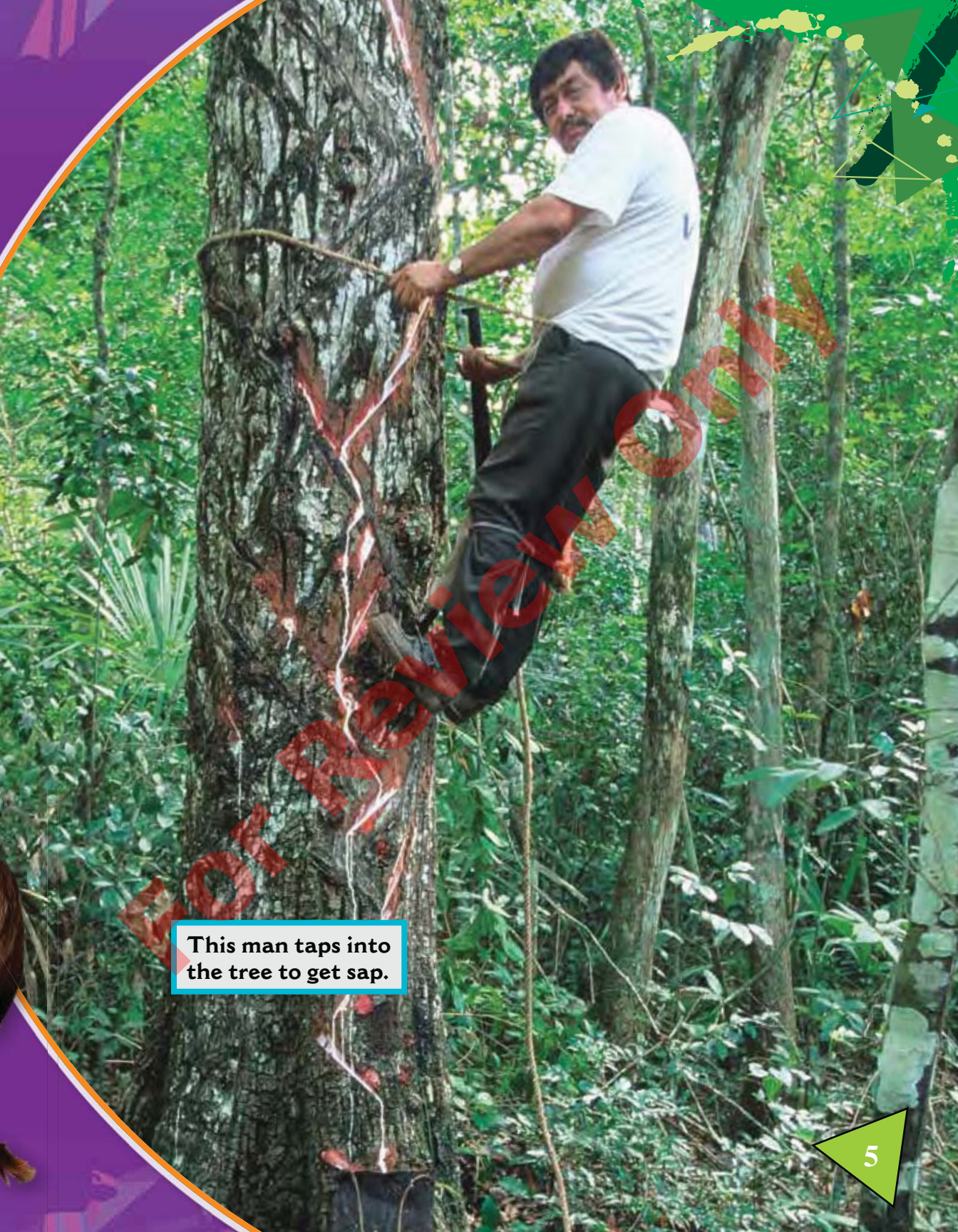


Chomp! Chomp! Pop! Chewing gum has been around for thousands of years. But bubblegum has a more recent history. Many people think bubblegum and chewing gum are the same thing. In fact, they are quite different.

Chewing gum is made with **sap** from trees. The sap makes the gum very chewy. Bubblegum is stretchy, which lets people blow bubbles. Some people chew it because they like the taste. Some people think it just makes a mess! Regardless of whether you are a fan, one thing is certain: bubblegum has come a long way over the years.

For Review Only





This man taps into the tree to get sap.

For Review Only

Walter's Wonder

In the early 1900s, chewing gum was sold in most stores. Many people liked the treat. But gum was sticky—very sticky. It stuck to people's hands and clothes. It even stuck to their lips!

Workers at the Fleer Corporation were trying to find a way to make a great piece of gum. A man named Walter Diemer (DEE-muhr) worked in the office there. He was not an inventor. But Walter still wanted to help. He worked for more than a year on new gum **recipes**. One day, he made the perfect **batch**. The gum was not too sticky, and it could stretch more than the old gum.

For Review Only



A worker feeds stretched bubblegum through a machine to flatten it.

For Review Only



A girl blows a giant bubble in 1959.

Bubble Blowers

Gilbert Mustin was in charge of Fleer. He called the new gum Dubble Bubble®. Before that, no one had ever blown a bubble with gum! This was a new idea. In fact, Walter had to teach sales people how to blow bubbles so they could sell the gum.

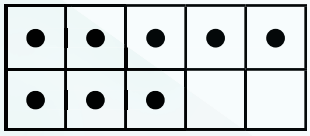
People loved Dubble Bubble. It was not sticky like the old gum. And now, they could blow huge bubbles! Other companies copied Walter's gum recipe. Within a few years, there were many brands of gum from which to choose.

For Preview Only

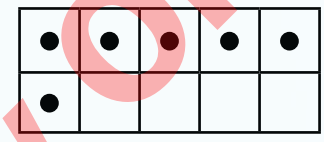
Let's Explore Math

The Fleer Corporation grew very fast because of Dubble Bubble. Walter had to teach more and more sales people how to blow bubbles. Suppose that the ten frames show how many people Walter taught on Monday and Tuesday.

Monday



Tuesday



1. How many people did Walter teach each day?
2. On which day did Walter teach the most people?
3. How many people did Walter teach altogether?
4. How many more people did Walter teach on Monday than on Tuesday?



Dubble Bubble gum packs come with comics.

For Preview Only

Math Talk

1. How do you know whether to add or subtract in a word problem?
2. How can you use addition to help you solve subtraction problems?
3. How can you use number lines to show addition and subtraction?
4. Frank likes blowing bubbles. In 5 days, he blows 17 total bubbles. How many bubbles might he have blown each day? Why do you think so?
5. Elisabeth wants to add 8 and 9. She says, "If I start with 8, I can count up 9 numbers and land on my answer." Will Elisabeth's strategy work? Is there a more efficient strategy?
6. Aysha has some bubblegum. She has more than Andre. She has 3 fewer pieces than Kendall. If Kendall has 10 pieces of bubblegum, how many pieces does Aysha have? How many pieces might Andre have? Why do you think so?

For Review Only