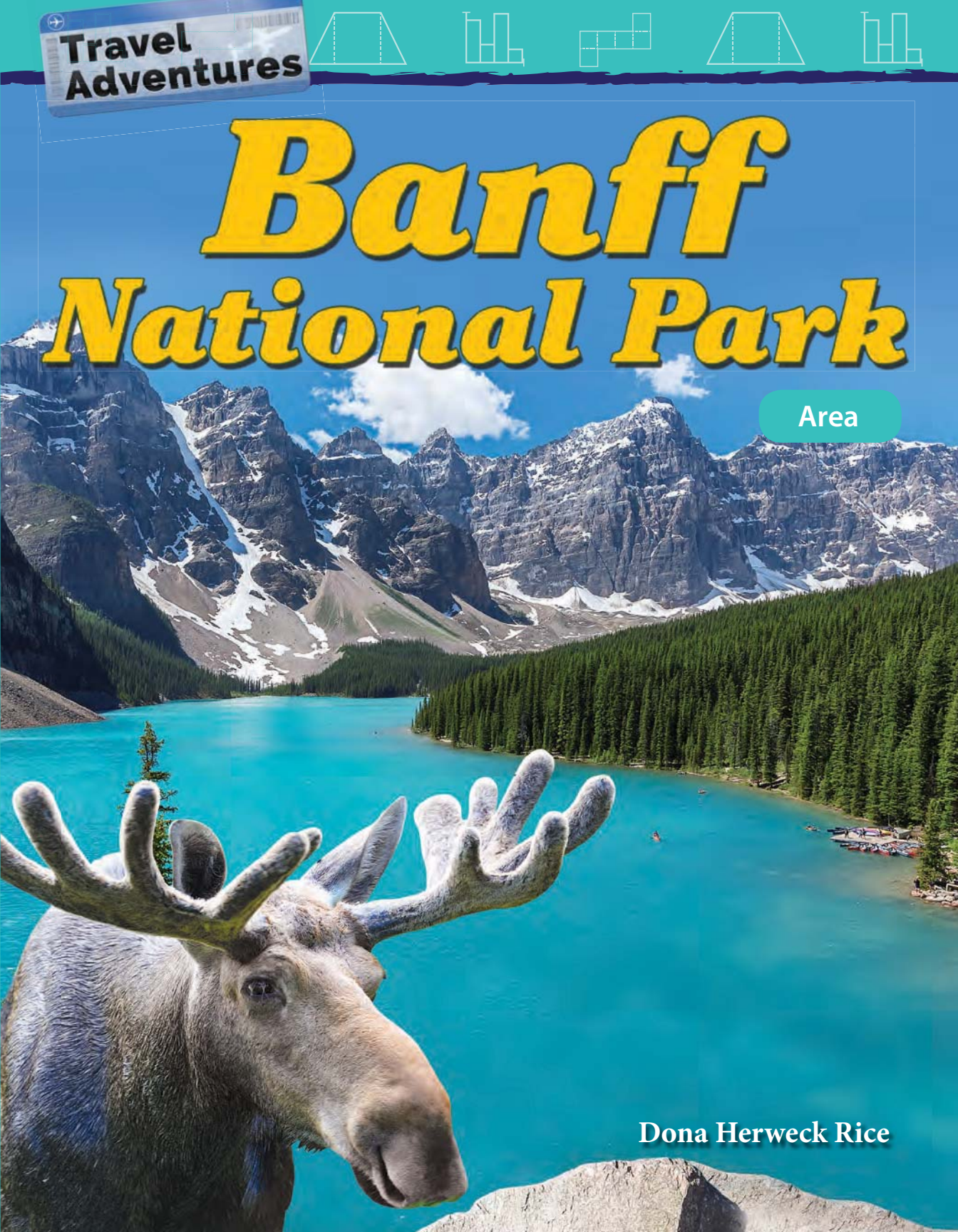
Travel Adventures

Banff National Park

Area



Dona Herweck Rice

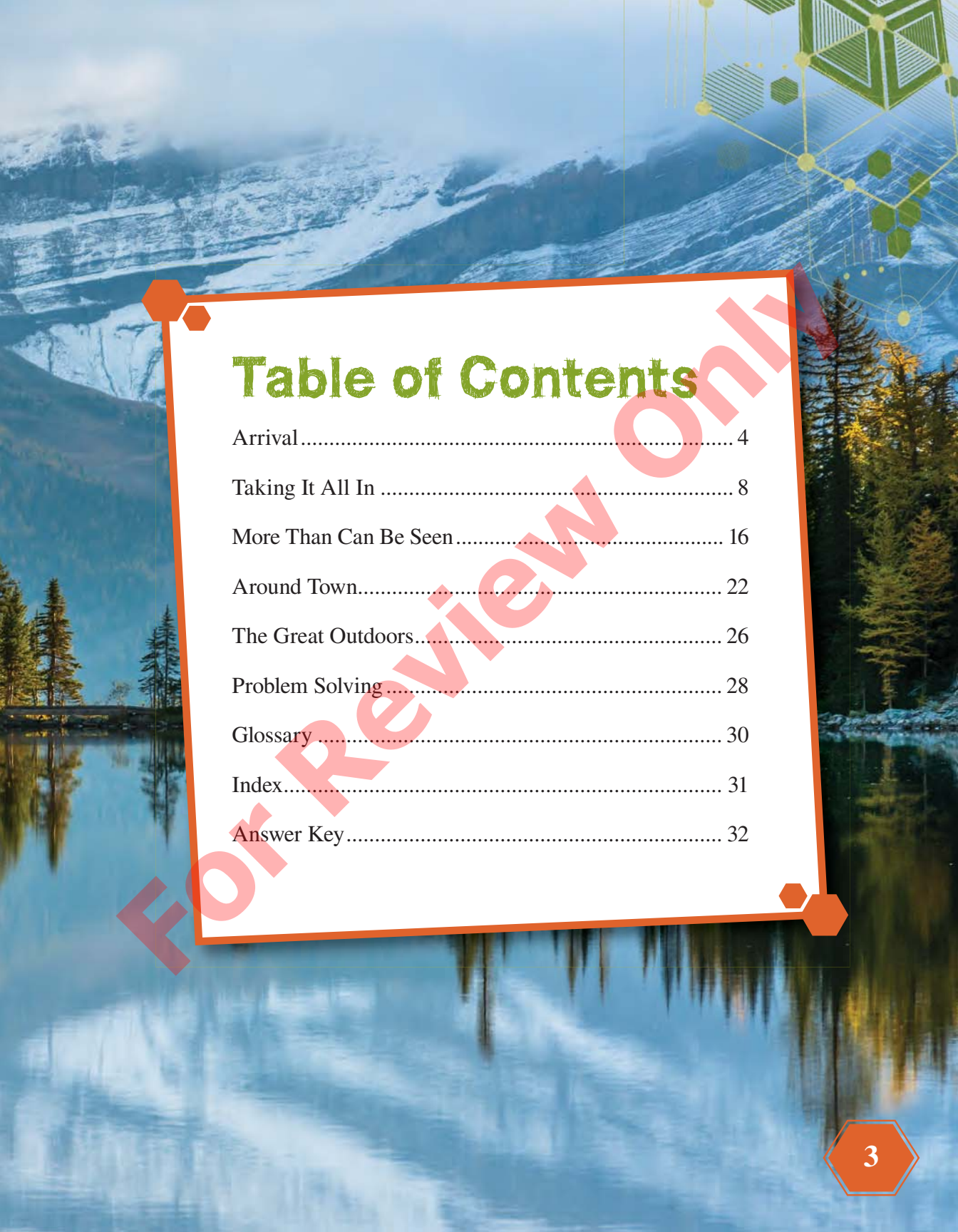


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For Review Only

Arrival

"Gross," Lila hissed under her breath, slowly **elongating** the final *s* beneath her curled lips.

"What?" Hector wanted to know, **bounding** up enthusiastically to look over his sister's shoulder.

"That!" Lila directed, pointing at the mound of animal poop she'd nearly stepped in. *What was so great about Banff National Park?* Lila thought. She never even wanted to go on this stupid trip, but her parents had dragged her to this cold and faraway place anyway. It was supposed to be summertime, but she was shivering from the frigid air in the mountain range. She should have been lounging by the swimming pool under the sizzling summer sun! Everything here was Canadian wilderness, but she just wanted to lie back on a sandy California beach. And there was animal poop right in front of her—which her weird brother was now investigating up close!

"Oh, man, I think that's bear poop!" Hector shouted. "Cool! I wonder where the bear went?"

"I *so* don't want to know that answer," Lila said, looking over her shoulder with a glimmer of worry in her eyes. More than anything, she did not want to get up close and personal with a grizzly bear and meet her doom while on vacation! How could Hector be so excited when bears were running loose?



For review only



a hiking trail in Banff National Park

For Review Only

Since they had **disembarked** the plane in Calgary in southern Alberta, Canada, Lila was not a happy kid. She missed her home, her friends, and her pet Chihuahua, Bruno. More than anything, she missed walking down a street free of bear poop!

Lila's parents had been planning this trip for months, saying it was on their bucket list. Well, they could keep their buckets! Lila had repeatedly tried to convince them that the family should vacation at the beach this summer. But instead, they wound up here in the Canadian Rockies doing…who knows what people do here? Lila knew this trip was a terrible idea. Her traitor of a brother, on the other hand, let their parents convince him that Banff would be a great adventure, and he was excited to explore the lakes and trails. He even put together a family **itinerary**! Now, Lila was headed for several days of this stinking "great" outdoors.

"Come on, Lila, let's get this party started!" Hector yelled from the hotel doorway.

"Coming," Lila moaned, dragging her suitcase behind her. This trip would definitely be no fun at all.



Lila waits at the airport.

For Review Only





LET'S EXPLORE MATH

A ranger wants to estimate the total area of Banff National Park. But the shape of the park is unfamiliar—it's definitely not a shape she studied in math class! First, she divides the park into rectangles. Then, she calculates the areas of the rectangles. Finally, she finds the sum of the areas to estimate the total area of the park.

1. How can you tell whether the ranger's estimate is greater or less than the actual total area of the park?
2. What strategies could the ranger use to make an estimate that is closer to the actual total area?



For Review Only

Taking It All In

The family had checked into the hotel just in time for dinner. They were all so exhausted that they ordered room service, watched television, and fell asleep during the credits. But when they woke up the next morning, they were ready for their adventures to begin! Well…everyone was ready except Lila. She was restless all night and was certain the day—in fact, the whole trip—would be a disaster.

"Come on, Lila, stop dragging your feet! This vacation is going to be awesome!" Hector shouted as he bounded around the room, collecting his jacket and a bundle of maps. *Nine-year-old brothers never stop*, Lila thought.

"Hector, slow down!" his mother chided, adding with a laugh, "You'll jump your way right through the floor."

"What's first on our itinerary, son?" Hector's dad asked, handing his son the carefully graphed and illustrated paper Hector had prepared.

"We'll start with a look at all of Banff in just one view," Hector answered mysteriously. Then, grinning, he added, "We're riding the **gondola**!"

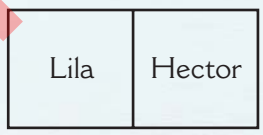
Oh, brother. Big deal! Lila thought. But she finished getting ready quickly and departed with her family for their first adventure.

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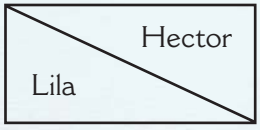
Moraine Lake in Banff

LET'S EXPLORE MATH

Lila is annoyed by Hector's enthusiasm when they first arrive in Banff. She decides to divide their hotel room in half so they can each have their own area. She creates two plans for dividing the room.



Plan 1



Plan 2

1. The dimensions of the hotel room are 8 meters by 4 meters. What are the available areas for Lila and Hector in each plan?
2. Which plan do you think Lila should choose? How can she convince Hector to agree with the plan?

For Review Only