

It's just right.  
**Investigating Temperature**



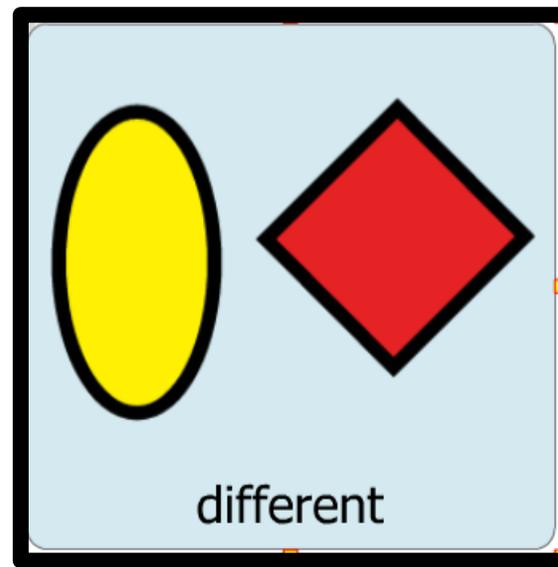
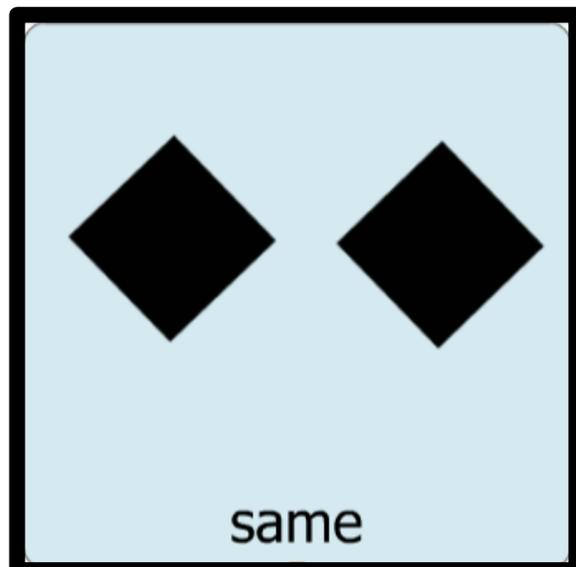
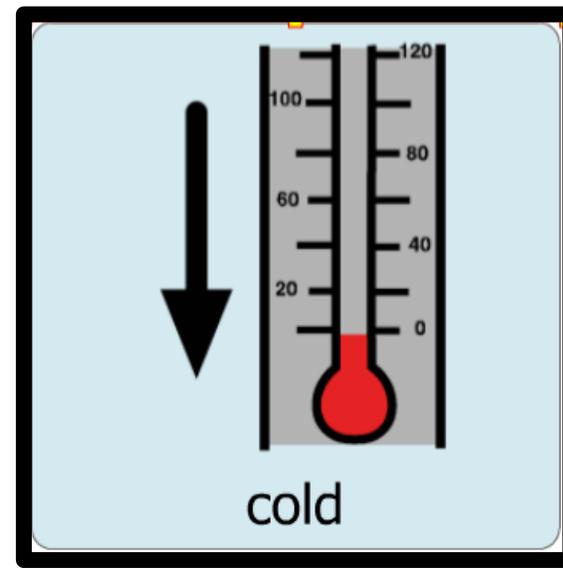
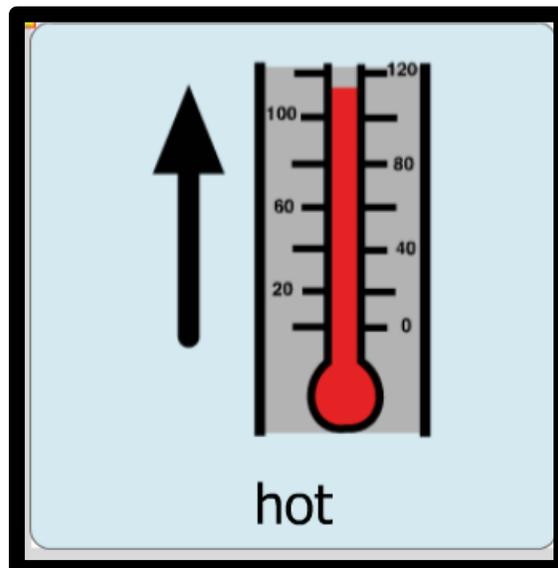
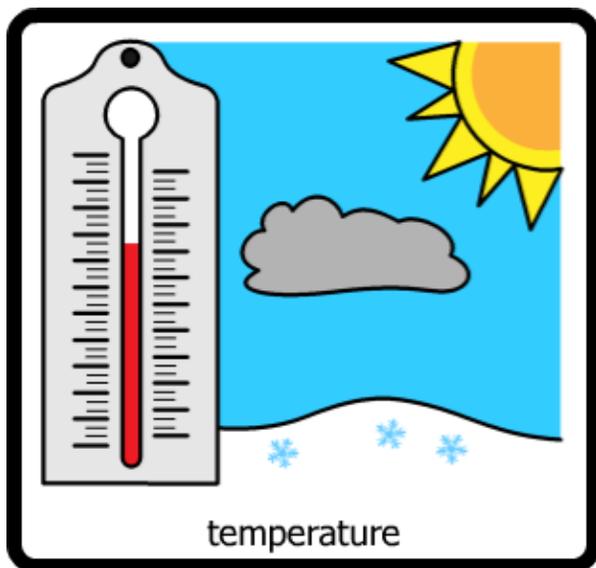
**Science**

Today we will be using a food thermometer to learn about different temperatures.

Here are pictures of what we will be doing.

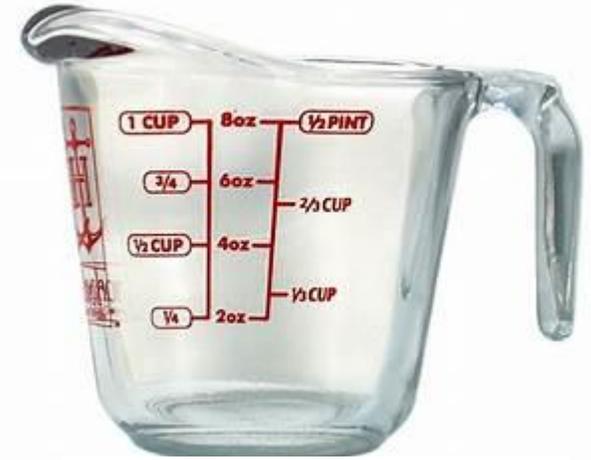


The vocabulary for today's lesson is....



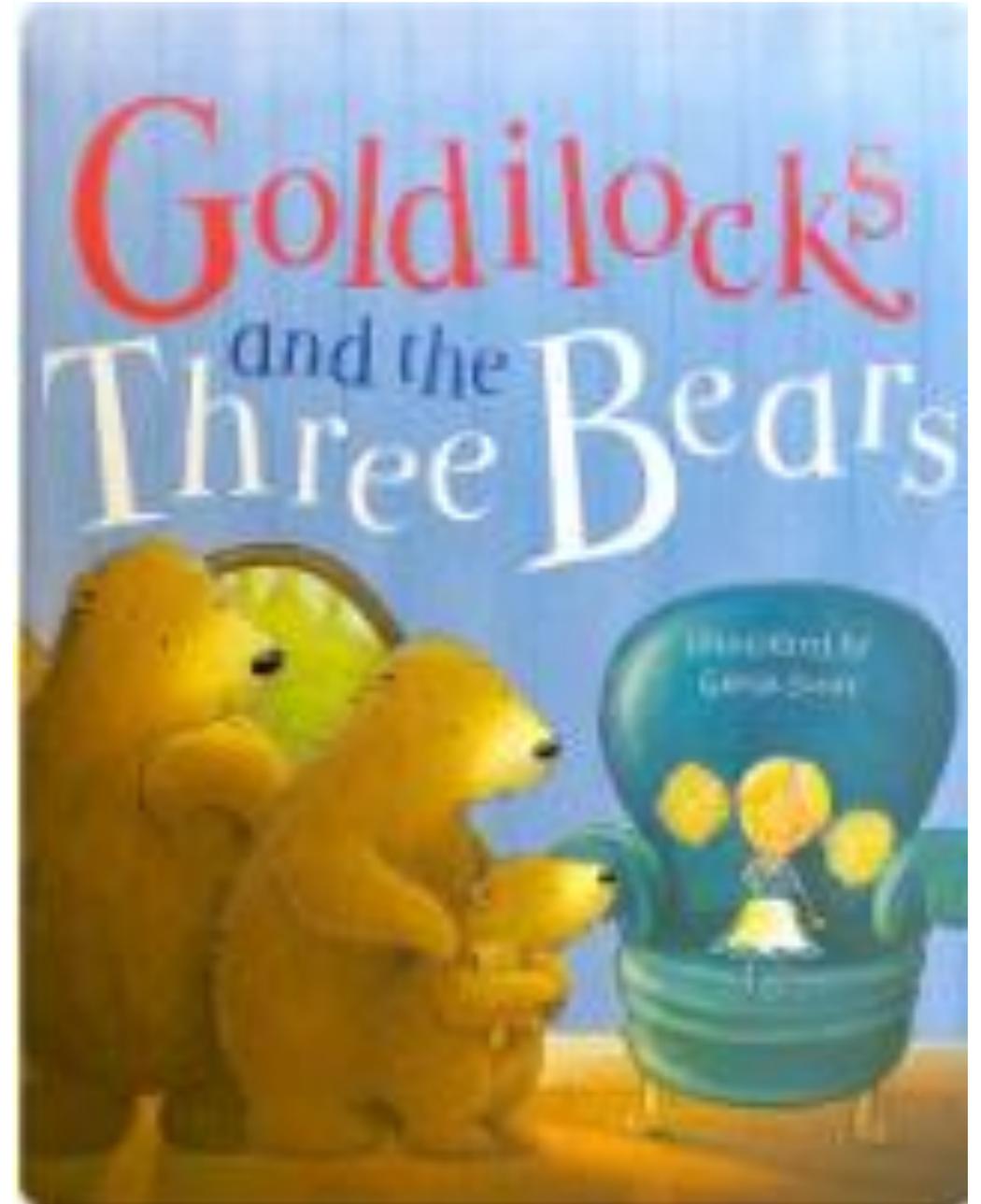
# Materials needed.

- Measuring cup
- Packets of instant oatmeal
- Mixing bowl
- Wooden spoon
- Three food thermometers
- Three bowls: big, medium, small



First, let's read a story.

**EPIC**







Once upon a time, Goldilocks was playing in the woods near her home.

As she skipped along the pebbly path, her golden locks bouncing, Goldilocks suddenly stopped and sniffed the air ...

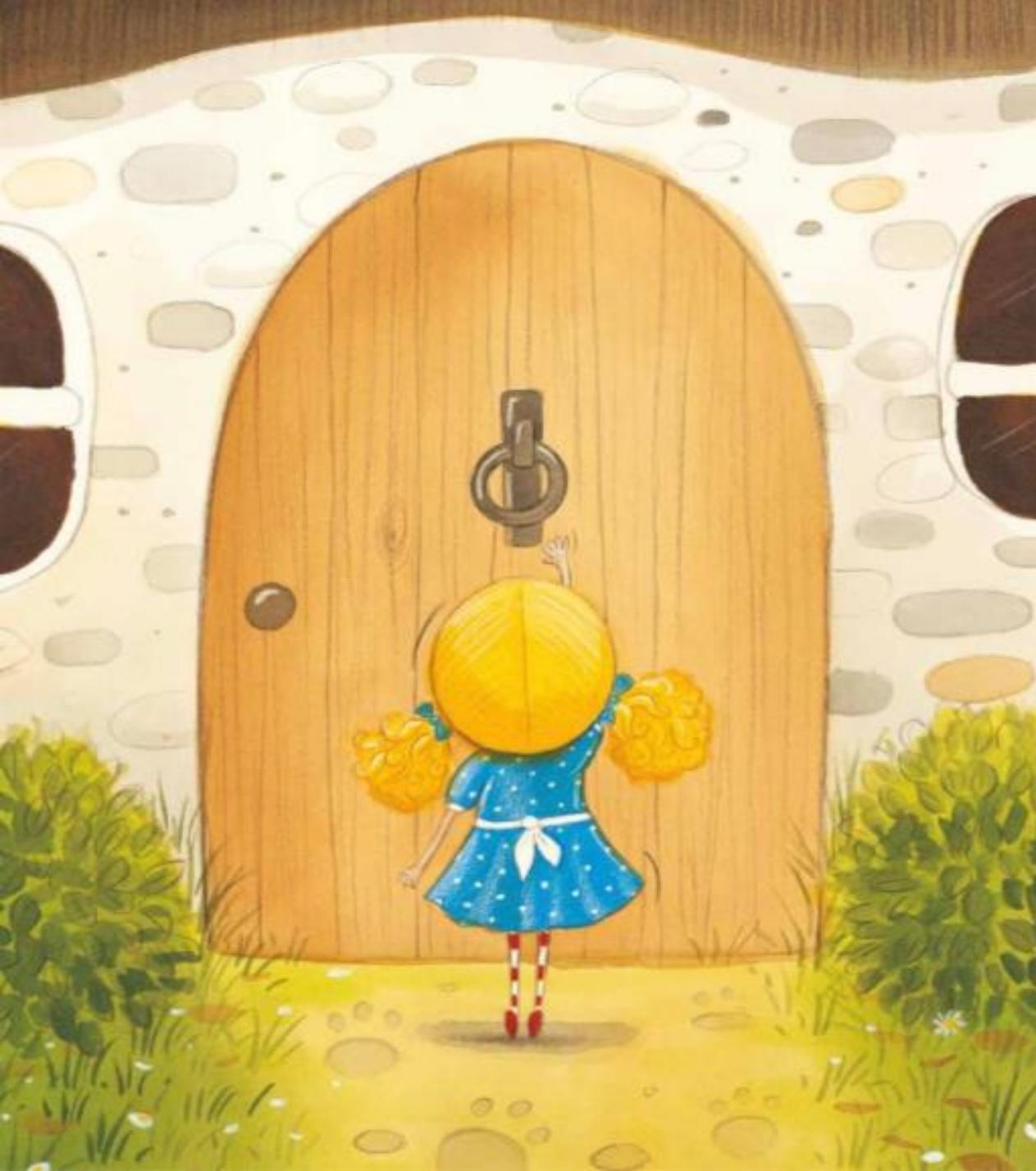
*A yummy smell was coming from  
the middle of the woods.*

# RUMBLE, RUMBLE!

As her tummy grumbled loudly, Goldilocks followed the delicious smell. She soon found herself in front of a little house.

"I wonder who lives here ..." she said.





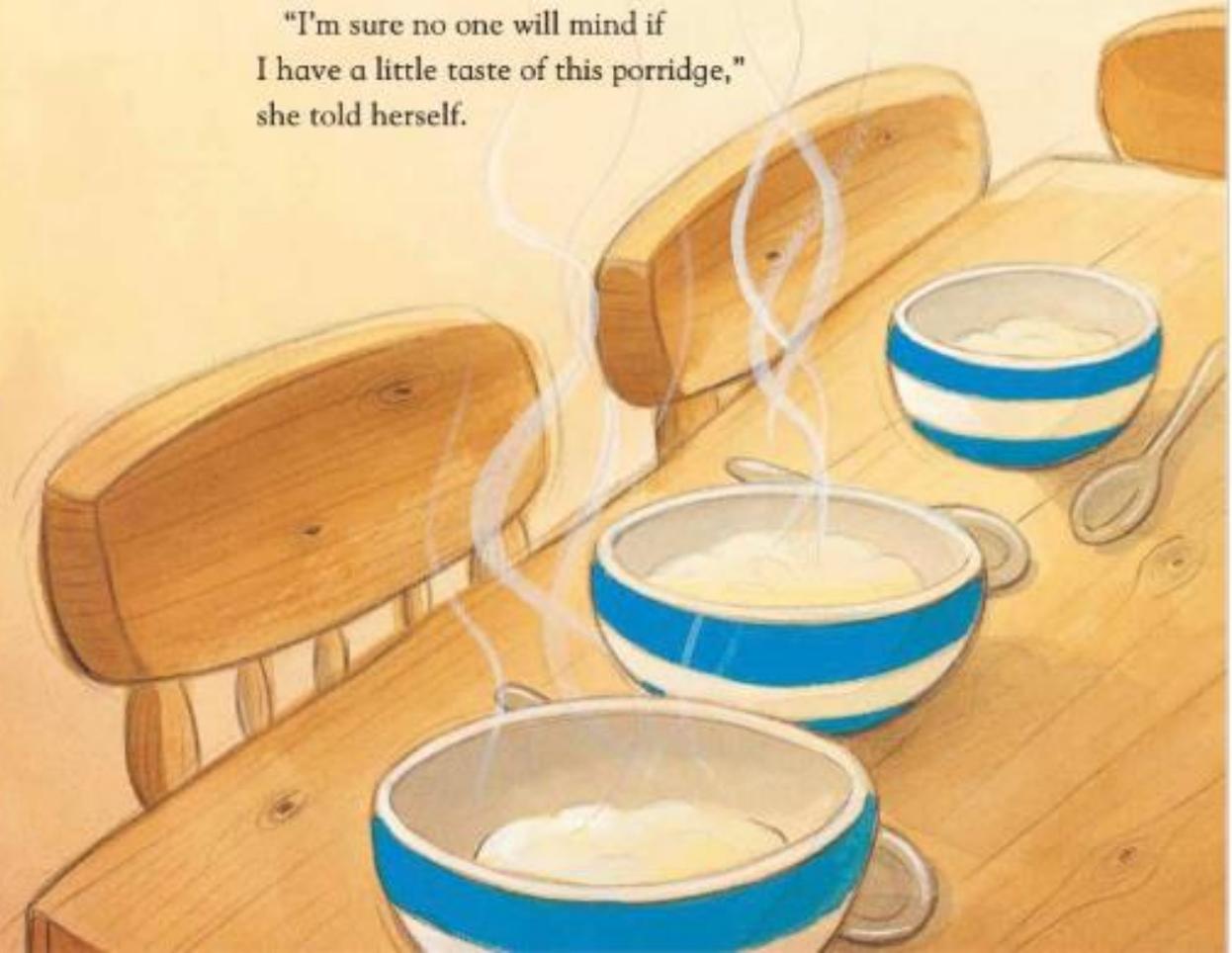
Goldilocks knocked loudly on the front door.

**KNOCK, KNOCK, KNO ...**

But on the last KNOCK, the door swung open.  
There was no one at home.

Goldilocks saw three bowls of porridge on the  
kitchen table.

"I'm sure no one will mind if  
I have a little taste of this porridge,"  
she told herself.





Goldilocks ate a spoonful  
of porridge from the  
biggest bowl.

"Yuck!" she  
cried. "This  
porridge  
is much too cold!"

Goldilocks tried the  
medium-size bowl.

"Ouch!" she gasped.  
"This porridge is much  
too hot!"

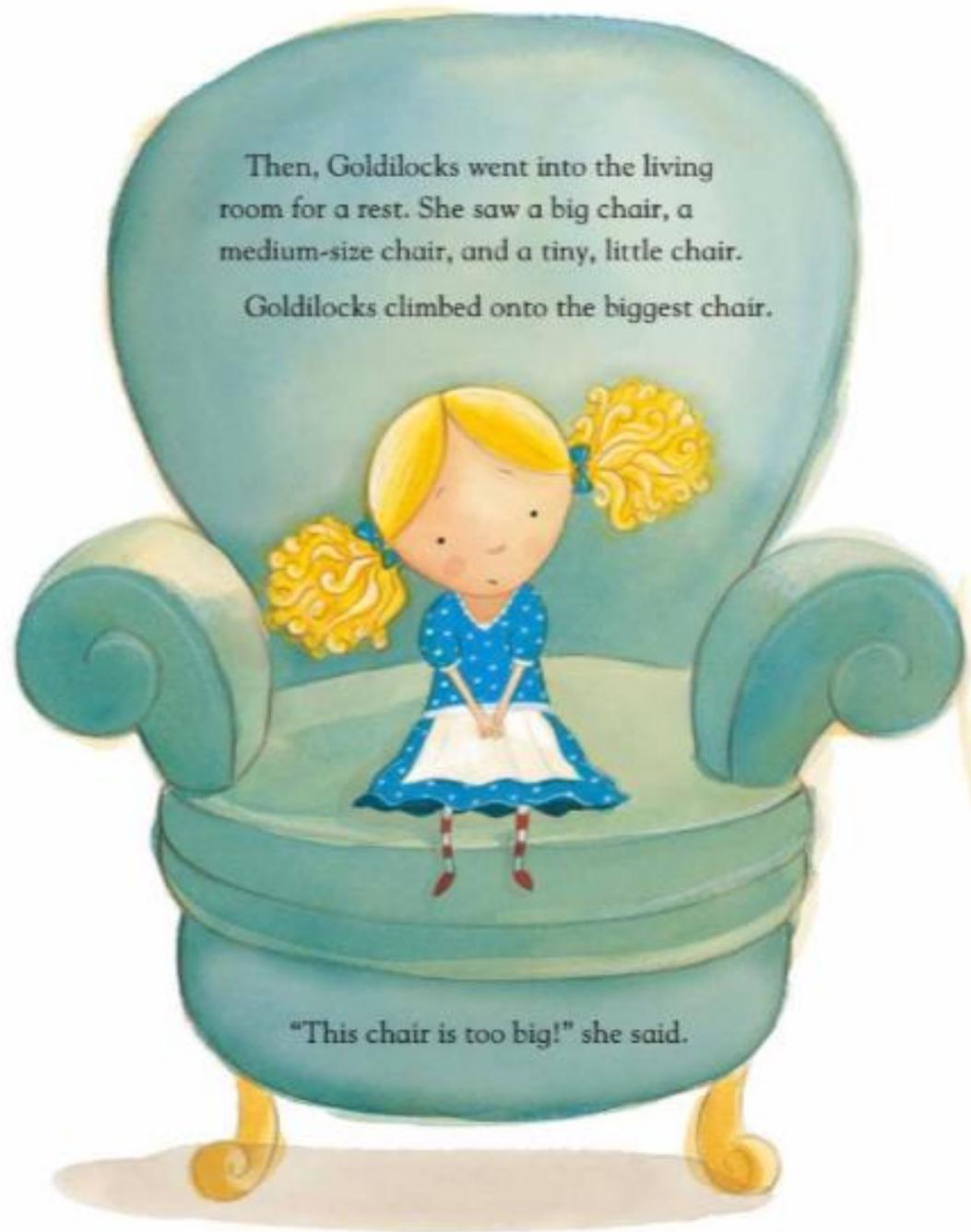


Finally, Goldilocks took a little mouthful from the smallest bowl.  
"Mmmm!" she sighed. "This porridge is perfect!"  
And she ate it all up.



Then, Goldilocks went into the living room for a rest. She saw a big chair, a medium-size chair, and a tiny, little chair.

Goldilocks climbed onto the biggest chair.



"This chair is too big!" she said.



Next, Goldilocks clambered onto the medium-size chair. The cushions were very squishy.

"This chair is too soft!" she cried.

Then, Goldilocks tried the tiny chair.

"This chair is perfect!" beamed Goldilocks.  
She was just getting comfortable, when ...

**CR-R-R-RACK!**

The chair broke into pieces.

"Oh, no!" Goldilocks gasped.  
"Perhaps I should lie down instead."



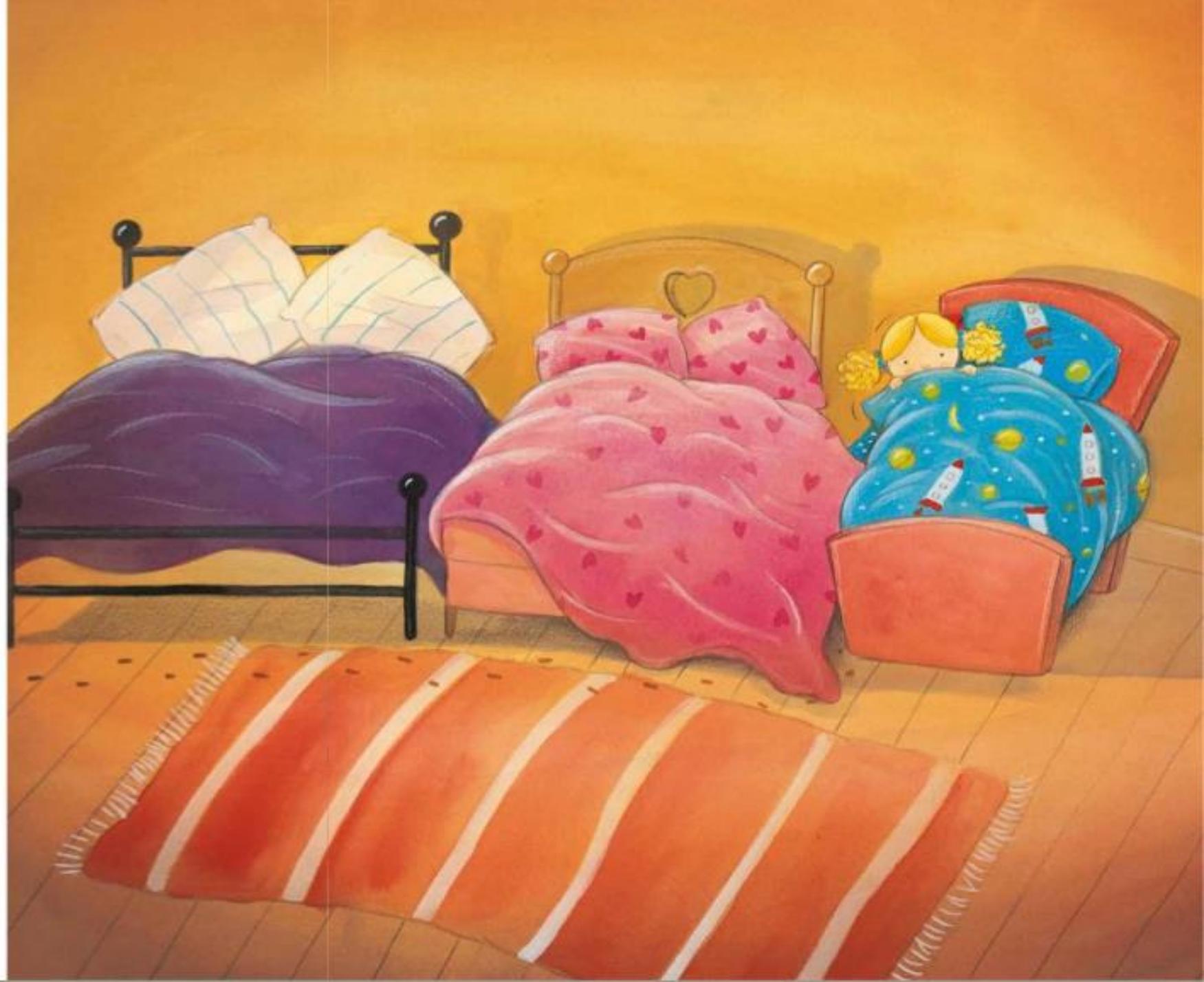
Upstairs, Goldilocks found a big bed, a medium-size bed, and a tiny, little bed.

When she jumped on the big bed it was too hard. The medium-size bed was too soft for bouncing, and the little bed was ...

"Perfect!" Goldilocks sighed happily.

And the little girl crawled under the covers and fell fast asleep.

ZzzzzzzZZZZzzzzzzzz





Meanwhile, three hungry bears returned to the little house. They had been for a walk while their hot porridge cooled down.

But the door was already open, and there were muddy footprints in the hall ...



"Someone's been eating my porridge!" roared Daddy Bear.



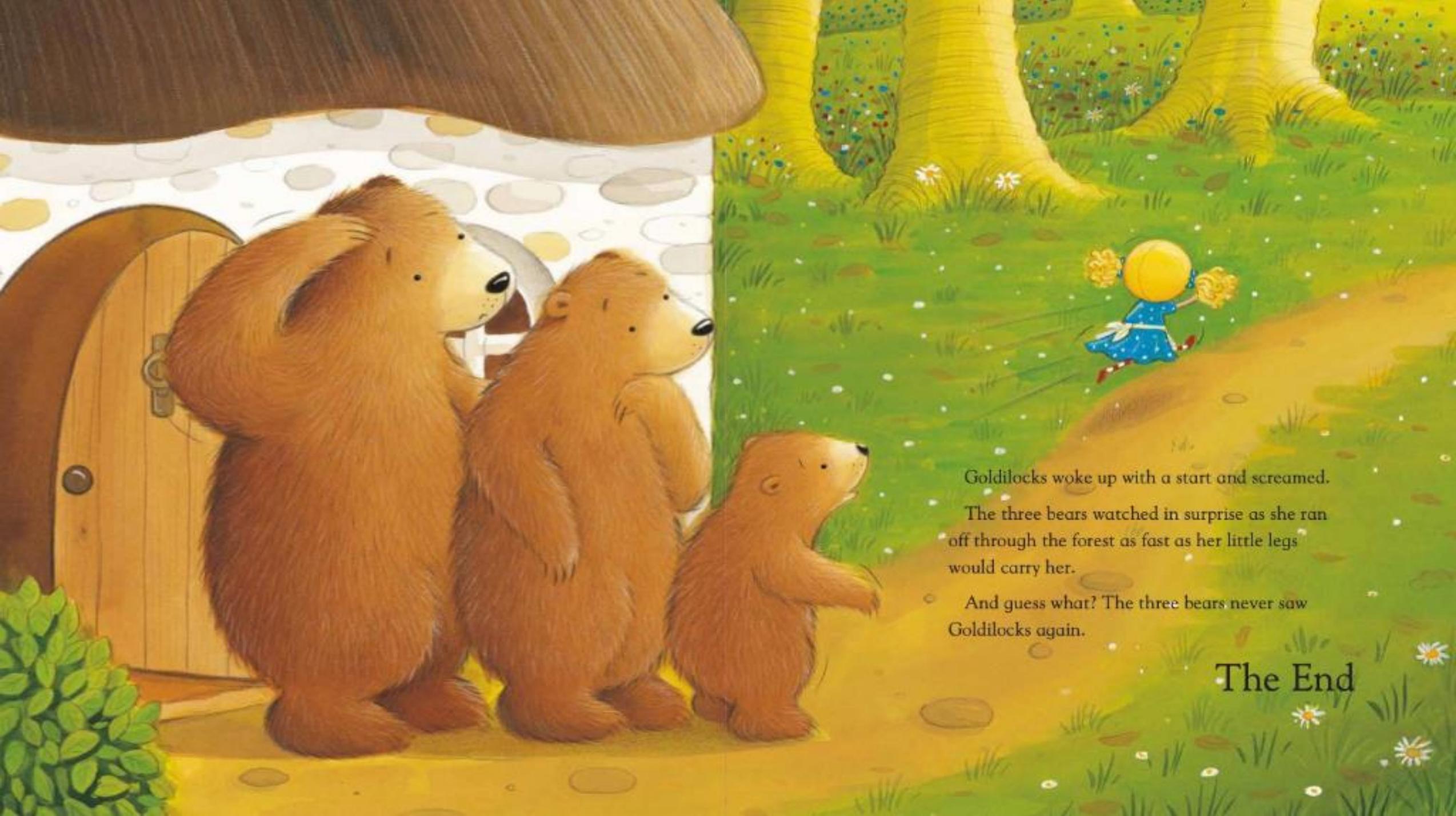
"Someone's been eating my porridge too," growled Mommy Bear.



"Look!" squeaked Baby Bear. "My porridge has all gone!"







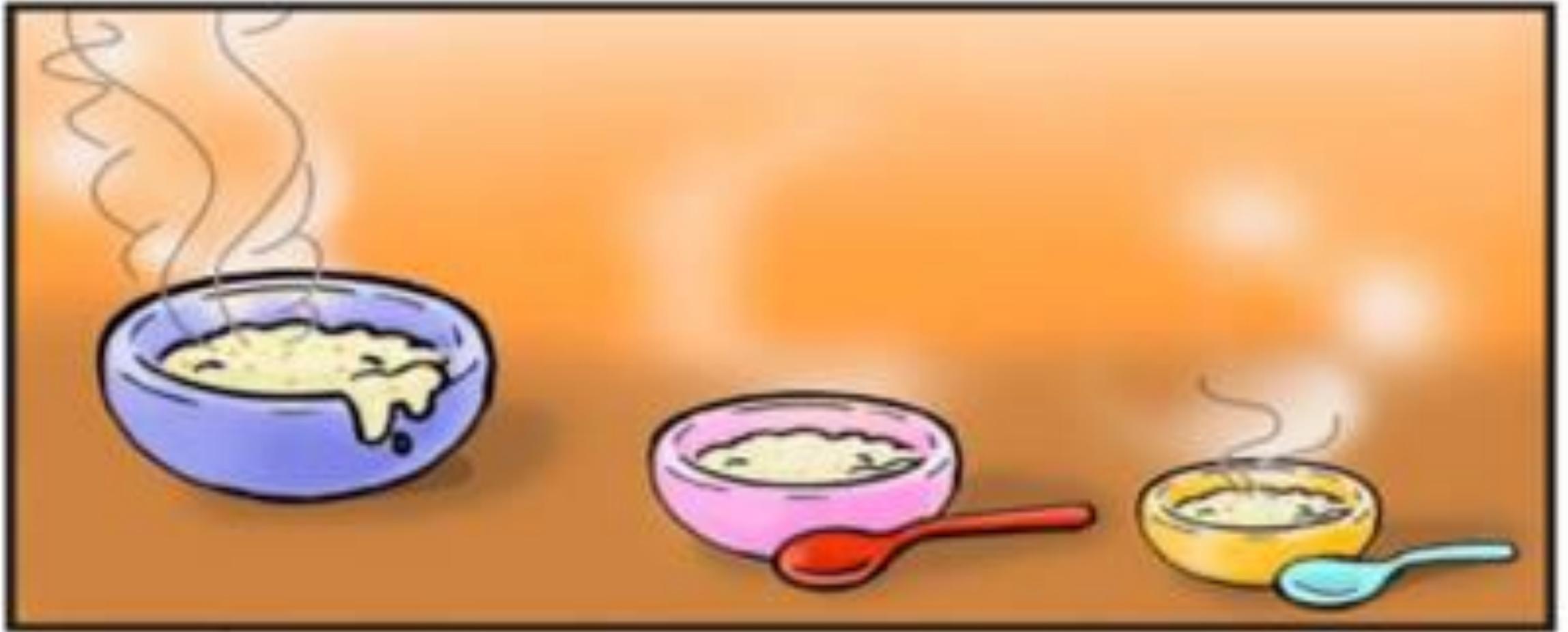
Goldilocks woke up with a start and screamed.

The three bears watched in surprise as she ran off through the forest as fast as her little legs would carry her.

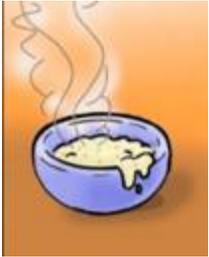
And guess what? The three bears never saw Goldilocks again.

The End

In the story of Goldilocks and the Three Bears, there were three bowls of porridge on a table.



# This is what Goldilocks told us.



The porridge in the big bowl was too hot.



The porridge in the medium bowl was too cold.



The porridge in the small bowl was just right.

Could it be that all three bowls filled with the same food would have different temperatures?



big



medium



small

# The steps for this experiment.

1-Heat 2 cups of water in the microwave.

2-Open the contents of three packets of instant oatmeal and pour into the mixing bowl.

3-Carefully add the hot water to the oatmeal to the desired consistency while stirring.

4-Serve the oatmeal into the bowls.

5-Place the food thermometer in the oatmeal and record the temperature. (115 degrees Fahrenheit and above would be hot. 114 degrees Fahrenheit to 85 degrees Fahrenheit would be just right. Any temperature under 85 degrees would be cold.) \*Subject to opinion of course! 😊

6-Print slide #10 and make copies to record the temperatures. Ask the students if the temperature of the oatmeal in each bowl was hot or cold.

7-Wait fifteen minutes. Check and record the temperature of each bowl of oatmeal again. Compare the temperatures of the oatmeal in the big bowl; medium bowl; and small bowl. Were the temperatures, the same or different?

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big



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Step 6- Record the temperatures of the oatmeal.



big



medium



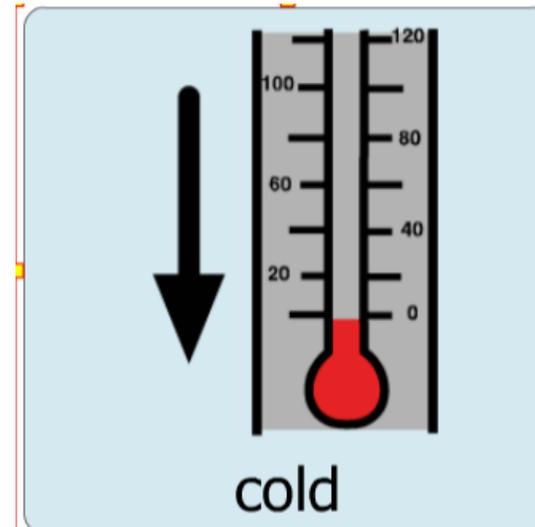
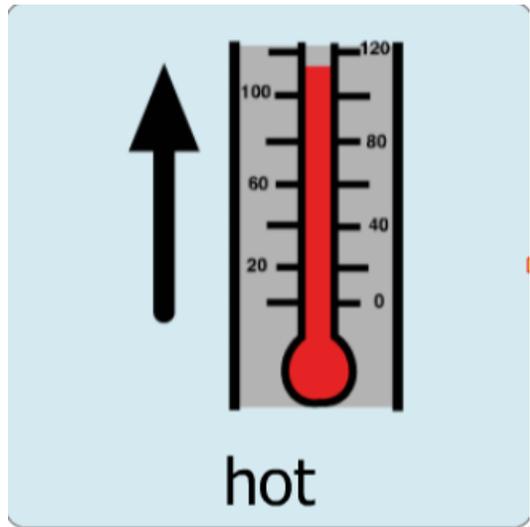
small

Step 7-Wait fifteen minutes. Check and record the temperature of each bowl of oatmeal again. Compare the temperatures of the oatmeal in the big bowl; medium bowl; and small bowl. Were the temperatures the same or different?



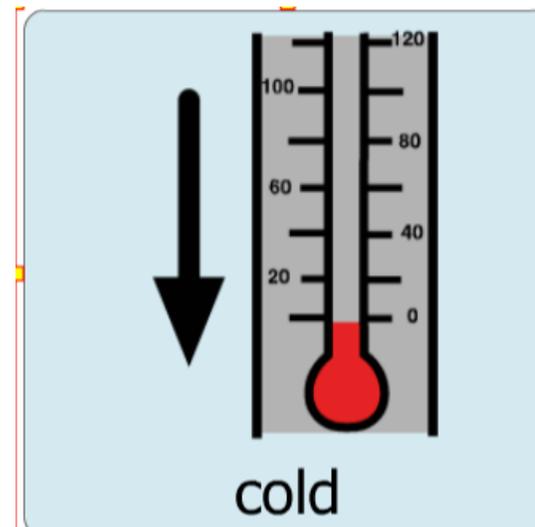
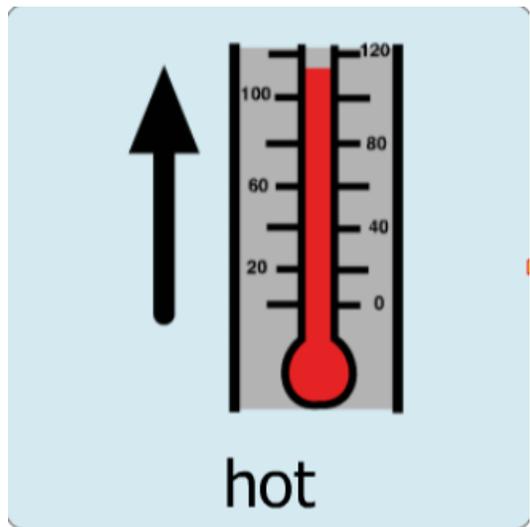
# Quiz Question

- What was the temperature of the oatmeal in the big bowl?



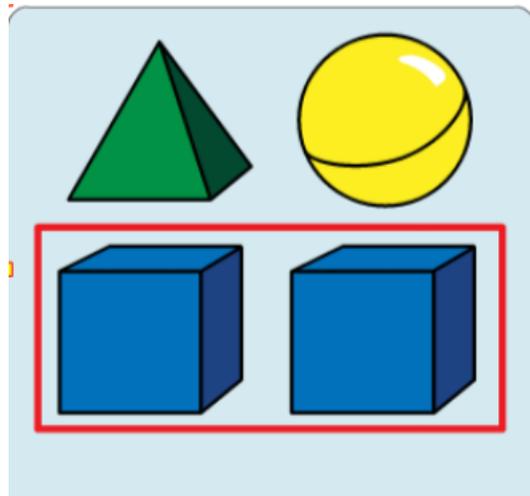
# Quiz Question

- What was the temperature of the oatmeal in the medium bowl?

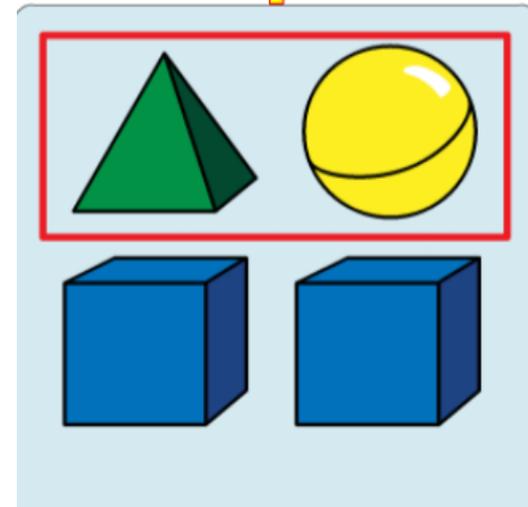


# Quiz Question

- Were the temperatures of the medium and small bowls of oatmeal the same or different?



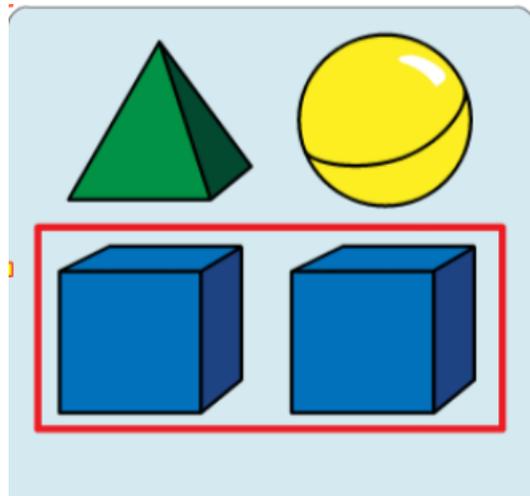
same



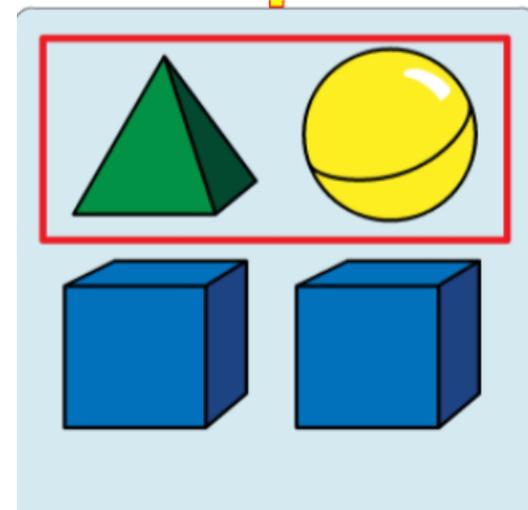
different

# Quiz Question

- Were the temperatures of the oatmeal the same or different after 15 minutes?



same



different

## Quiz Question

Which bowl of oatmeal was cold after fifteen minutes?



big

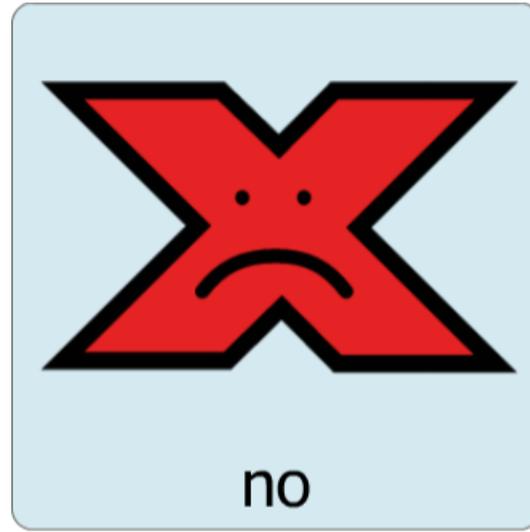


medium

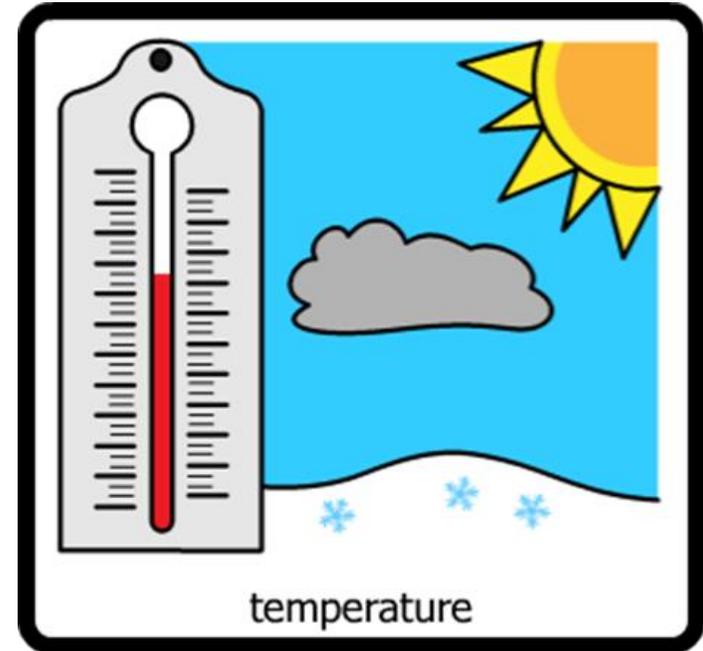
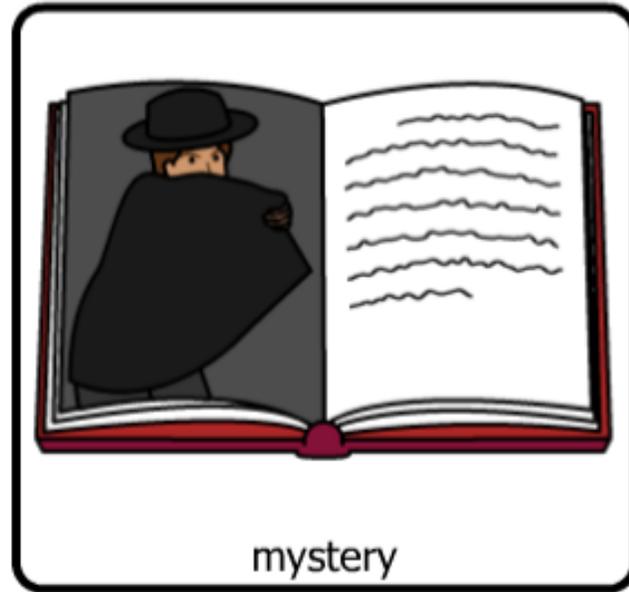
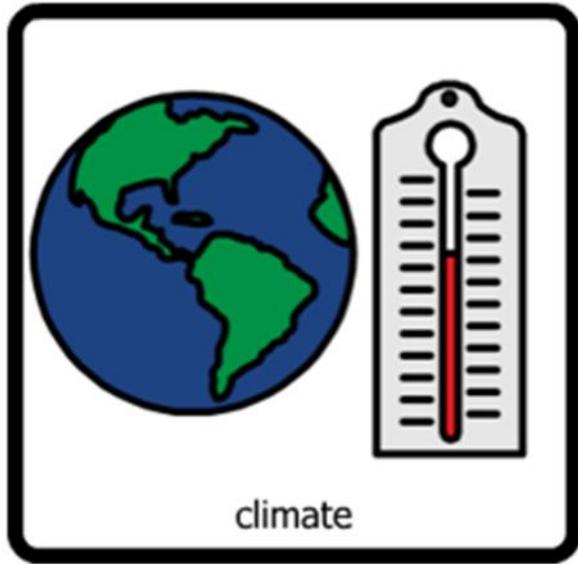


small

The small bowl of porridge was just right.  
Do you agree with Goldilocks?



What did we talk about today?



# We are ALL DONE!

- Teacher says “\_\_\_\_\_ is All Done! Time for \_\_\_\_\_!”
- Teacher says “Everyone check schedule!”
- Teacher changes the classroom schedule.
- Paras will assist individual students with checking schedules.

