Mathseeds Mental Minute Badge 13

Name Date

Plus 3

Find the path

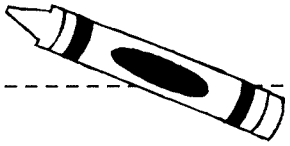
START			
1 + 3 = 4	5 + ___ = 8	7 + ___ = 9	1 + ___ = 2
5 + ___ = 7	7 + ___ = 10	3 + ___ = 7	7 + ___ = 8
2 + ___ = 6	3 + ___ = 6	2 + ___ = 4	5 + ___ = 10
6 + ___ = 8	2 + ___ = 5	6 + ___ = 10	3 + ___ = 9
4 + ___ = 8	6 + ___ = 9	4 + ___ = 6	4 + ___ = 8
0 + ___ = 4	4 + ___ = 7	2 + ___ = 6	6 + ___ = 10
7 + ___ = 9	0 + ___ = 3	7 + ___ = 10	2 + ___ = 5
3 + ___ = 3	7 + ___ = 8	2 + ___ = 4	FINISH 6 + ___ = 9

Longer or shorter?

1 Read.

Find a crayon. 

Find 3 things that are longer than your crayon.

Find 3 things that are shorter than your crayon. Show your answers. 

2 Underline the question.

3 Circle the facts.

4 Think about how you will show your answers.

5 Could you have shown your answers in a different way?

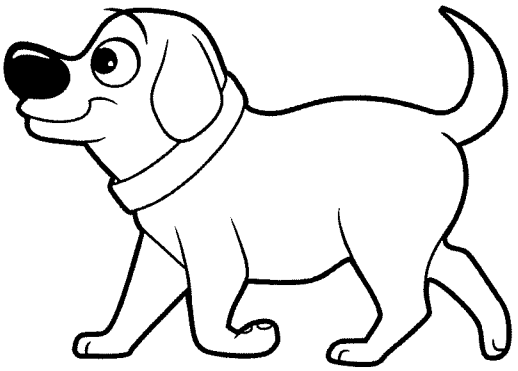
Name: _____

My Pet Dog

Tricky words:

is my he

Bob is my pet dog. He can run.
Bob sits on my bed. I pat him
if he is sad. Bob is
a top dog!



Bob is a:

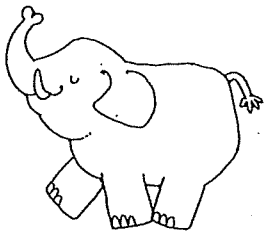
- o cat
- o dog
- o man

Draw a picture of a **dog**.

Self-reflection:



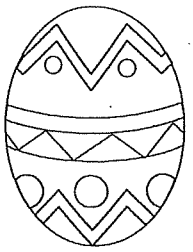
Name:

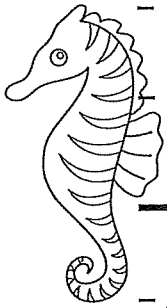


Writing on the Lines

Lower case e

(a body letter)





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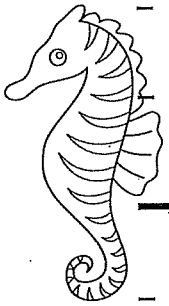

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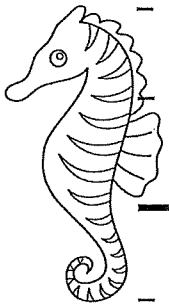

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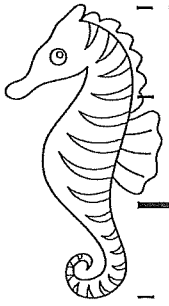


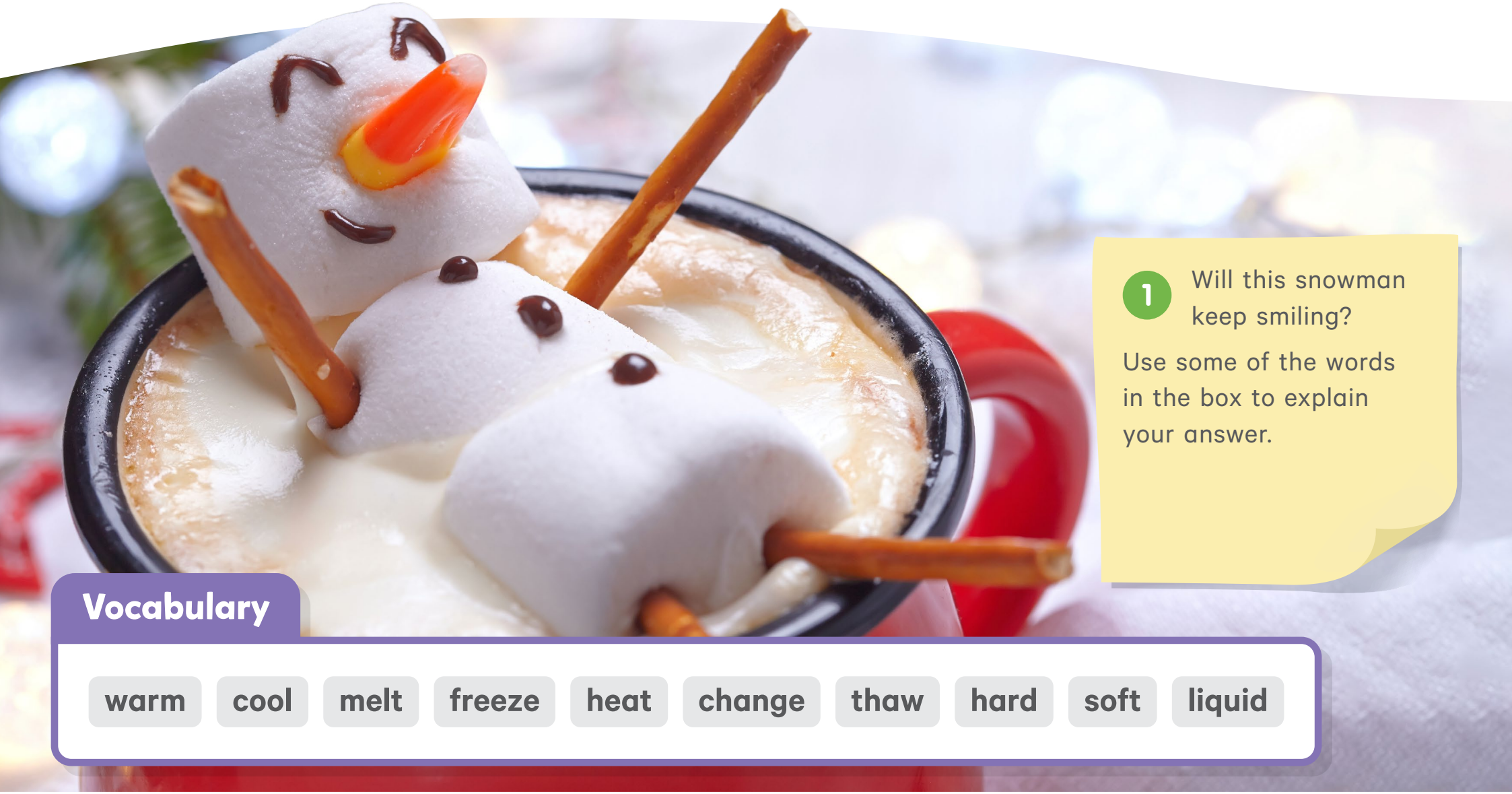
e

Arrange these words into a full sentence.

dress. girl a is yellow

The wearing

What happens when things are heated or cooled?



1 Will this snowman keep smiling?

Use some of the words in the box to explain your answer.

Vocabulary

warm cool melt freeze heat change thaw hard soft liquid

Materials needed

ACTIVITY **QUESTION 7**

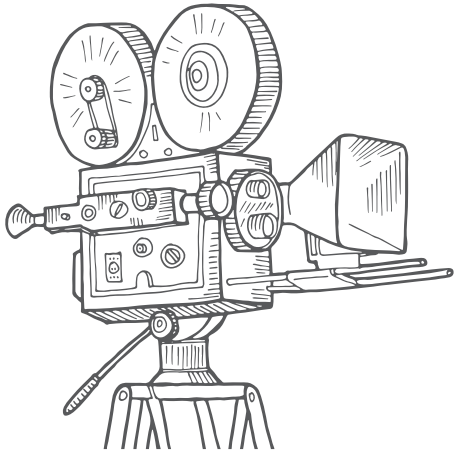
Frozen fruit investigation

You will need:

- a bag of mixed frozen fruit
- tongs
- plastic plates or trays to hold the fruit

Ensure students have washed their hands before handling food.

2 Click on the screen to watch the video, then **Think, Pair and Share** your thoughts about the questions.



What materials are the clothes made from?

How had they changed?

What would the material feel like?

How else might this type of material be changed?

If the temperature is cold enough, most materials will freeze. When materials are frozen, they can change.

3 Look at the images and answer the questions.

What do you see?

Describe what each frozen thing would feel like.

What would change if each thing was heated?

When heat is added to materials, the temperature rises and they become warmer. When materials are warmed, they can change.

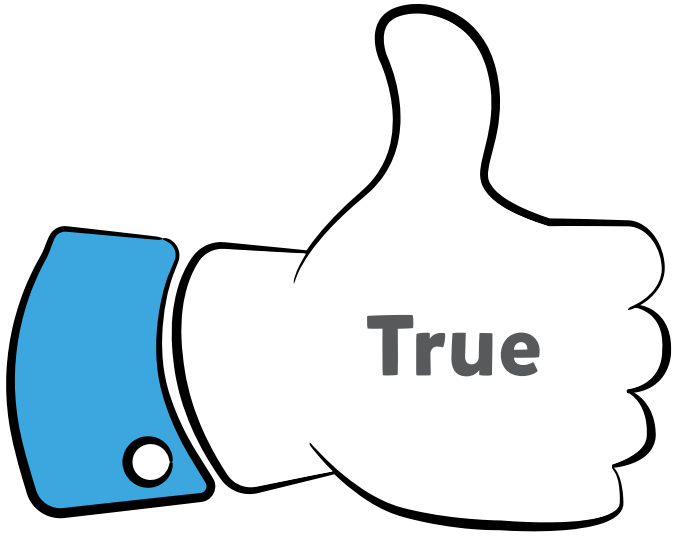
4 Read the eBook *Heating Up!*

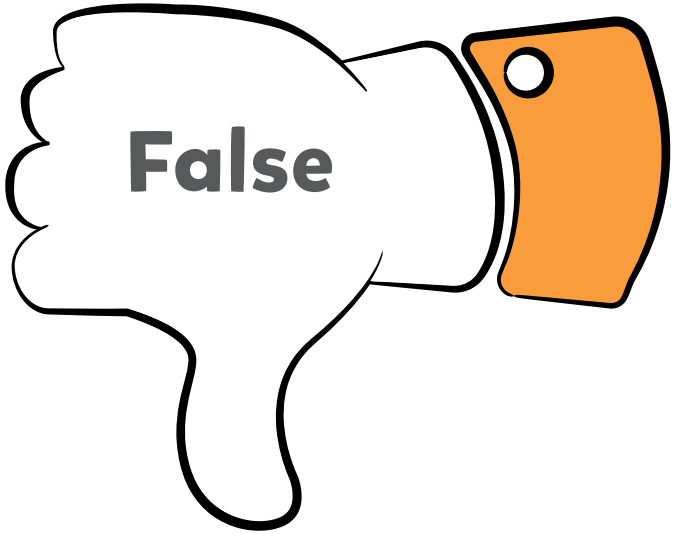
5 As a class, read the statements then play Thumbs up, Thumbs down.

Materials can be heated in different ways.

All the materials melted when heated.

Some materials became harder when heated.





We can observe and explore the changes that happen when something is cold and is then heated.

6 Click on the fruit in the freezer and watch what happens. Talk about the questions.

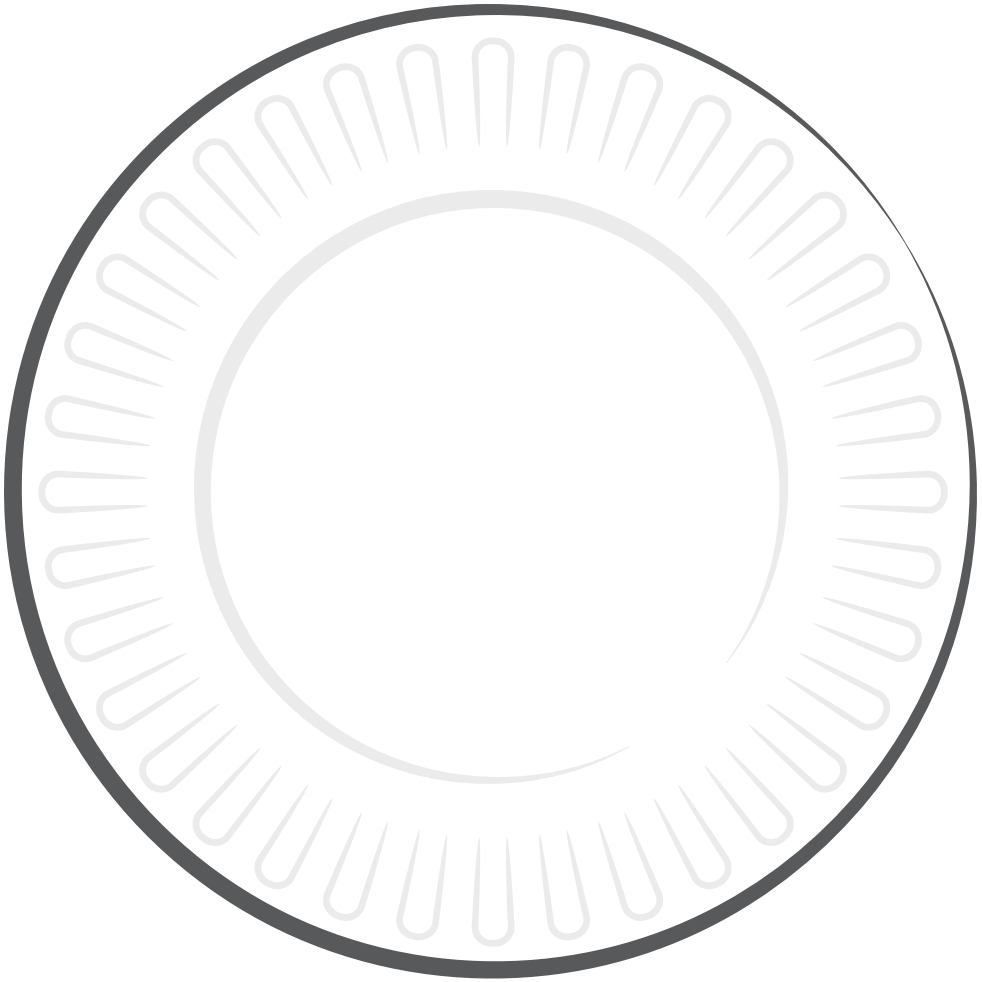
How did the fruit change?

Why did the fruit change?

What do you think the fruit would feel and taste like?

What would happen if the fruit was heated?

7 Use your senses to investigate the frozen fruit from your teacher. Draw the fruit on the plate and add describing words around it.



Five senses


Taste


Smell


Hearing


Touch

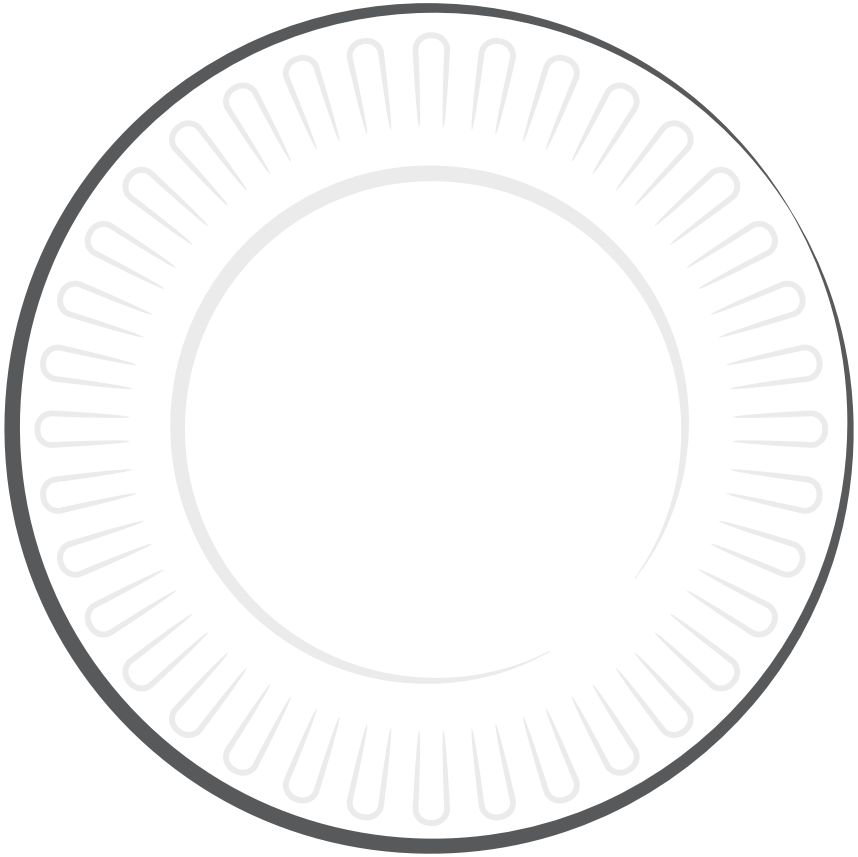

Sight

8 When frozen material is warmed or heated, it thaws and changes.

With a class mate, try some different ways of thawing your frozen fruit.

We thawed the fruit by...

9 Use your senses to investigate the fruit again. How has it changed?



10

What is this fruit?

The fruit has been changed in each picture. Label if it has been heated or cooled.

11 Draw and label what these materials would have been before they were heated.