

Add 1 or 2

Read the code

Match each answer to a letter. What is the message?

1	2	3	4	5	6	7	8	9
N	D	S	A	I	Y	G	E	P

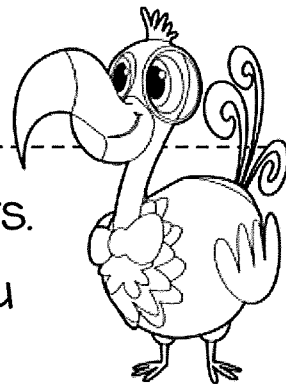
$1 + 3 = \underline{\quad}$		$1 + 1 = \underline{\quad}$		$2 + 0 = \underline{\quad}$	
$4 + 1 = \underline{\quad}$		$1 + 0 = \underline{\quad}$		$1 + 6 = \underline{\quad}$	
$2 + 3 = \underline{\quad}$		$1 + 2 = \underline{\quad}$		$7 + 1 = \underline{\quad}$	
$2 + 2 = \underline{\quad}$		$2 + 1 = \underline{\quad}$		$5 + 1 = \underline{\quad}$	
$2 + 7 = \underline{\quad}$		$2 + 6 = \underline{\quad}$		$3 + 1 = \underline{\quad}$	
$1 + 2 = \underline{\quad}$		$1 + 7 = \underline{\quad}$		$4 + 2 = \underline{\quad}$	

What is the message?

Doc's Secret Number

1 Read.

Doc is thinking of a number between 71 and 100. It has two digits. It has an 8 in it. What are all the possible numbers it might be?



2 Underline the question. 3 Circle the facts.

4 Make a list of numbers 71 – 100 to help you solve the problem.

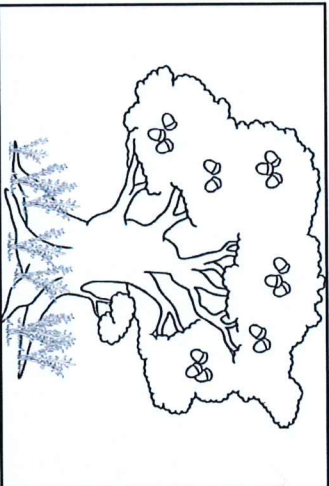
5 How many numbers did you find? _____

CLUE!

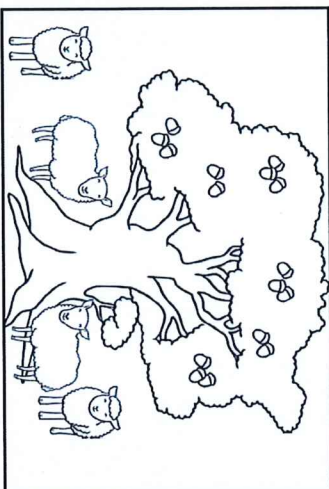
6 Doc's secret number has 9 ones. His number is _____

7 Try making up a similar problem for your partner to solve. Can they guess your secret number?

The Bee Tree



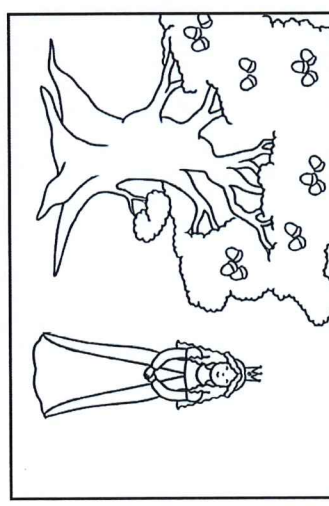
In a park with lots of weeds,
stands a big, green tree.



Sheep often go to sleep under the
tree. The sheep need to get shelter
from the hot sun.



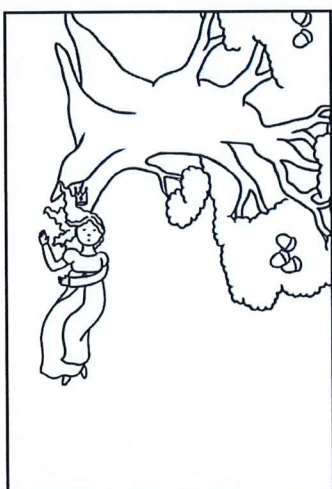
Near to the tree, is a deep creek.
The sheep's feet go in the creek to
cool them down.



The Queen Dee went to see the tree.



She too put her feet in the creek, as
it was hot.



Then, she fell asleep under the tree.



Next, a lot of bees went to the tree.



The bees stung the queen on her
heel and cheek. She had a weep, as
it hurt a lot. She never went back
to the tree.

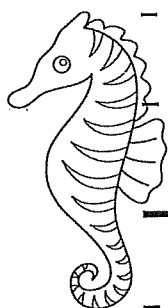
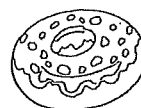
Name: _____



Writing on the Lines

Lower case d

(a body and head letter)



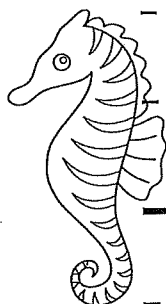
d

d

d

d

d



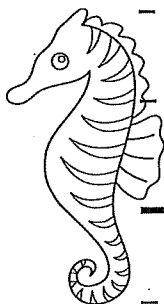
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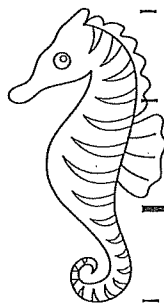


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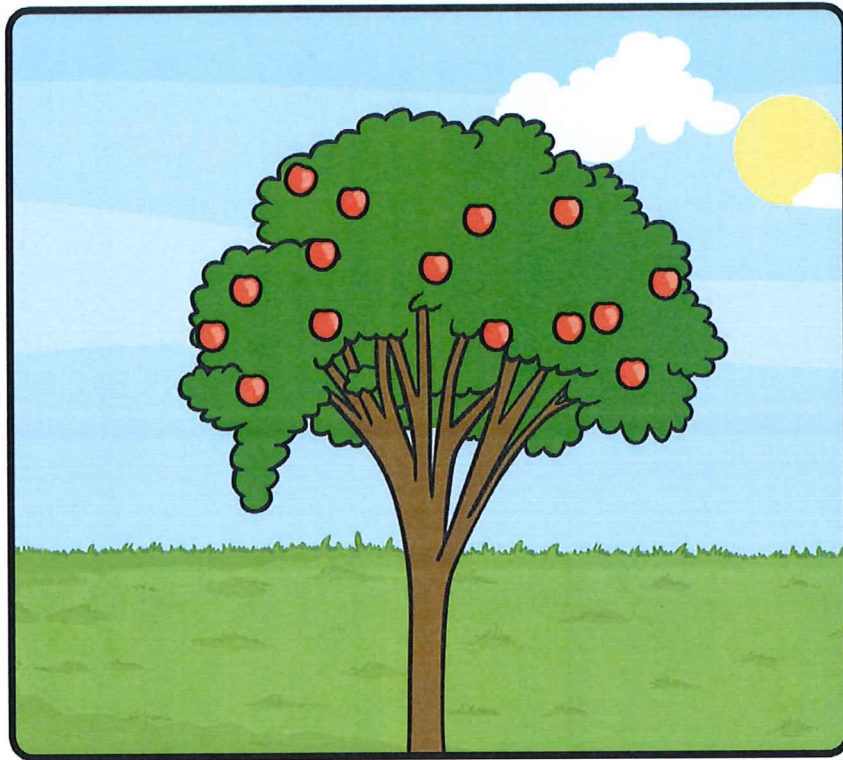
d

d



d

d



Arrange these words into a full sentence.

has apples. The red tree

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

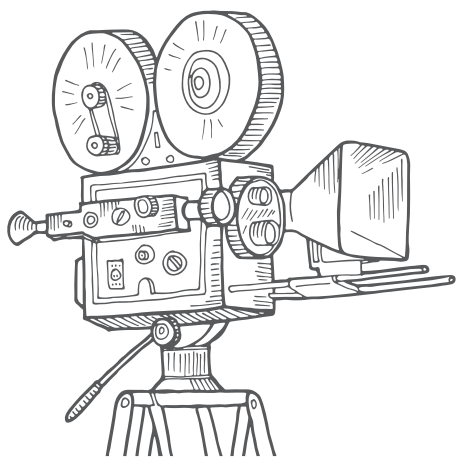
You will need:

- 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.

Materials can be heated in different ways.

All the materials melted when heated.

Some materials became harder when heated.

4

Read the eBook *Heating Up!*

5

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

True**False**

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

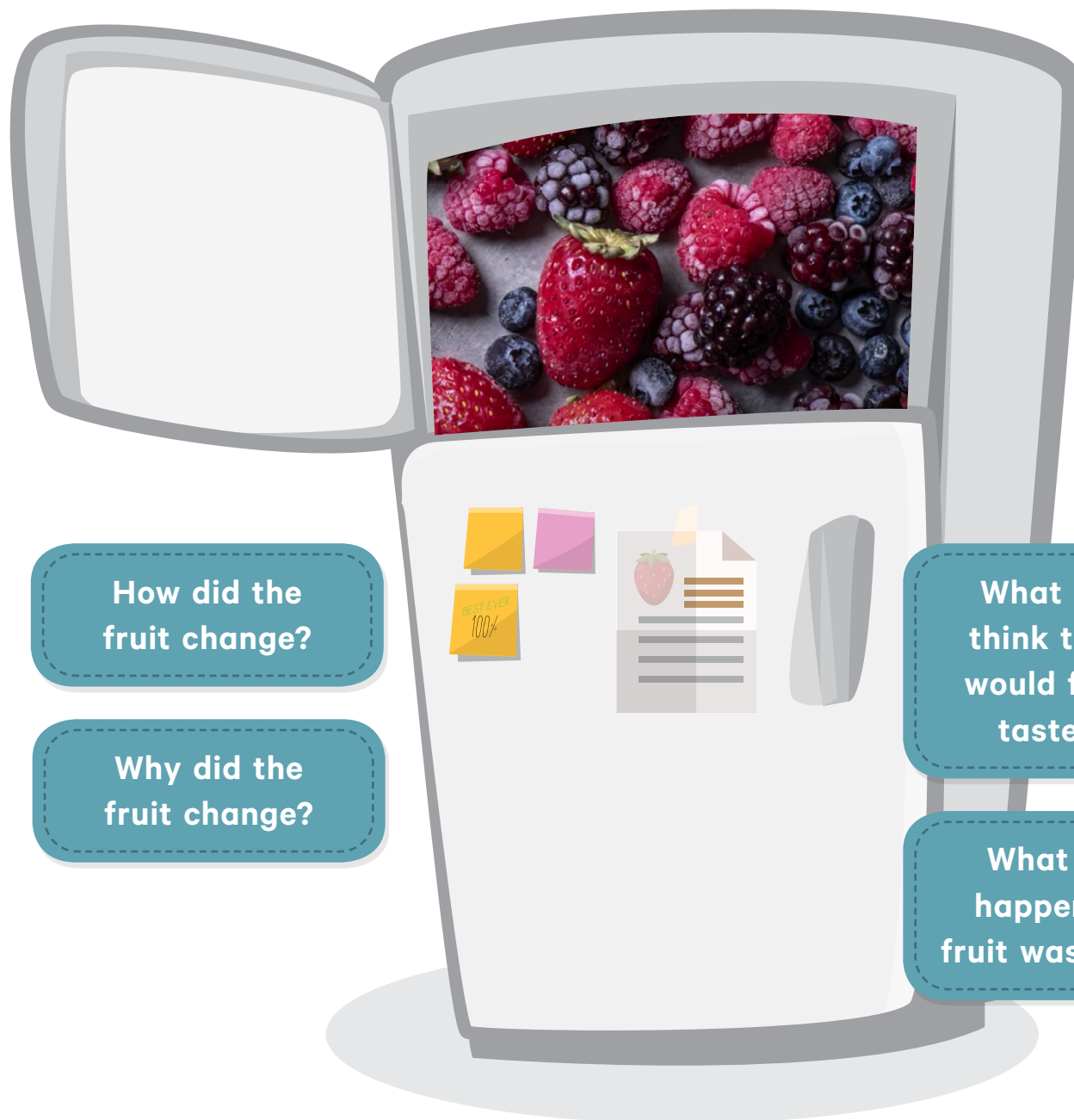
6 Click on the fruit in the freezer and watch what happens. Talk about the questions.

How did the fruit change?

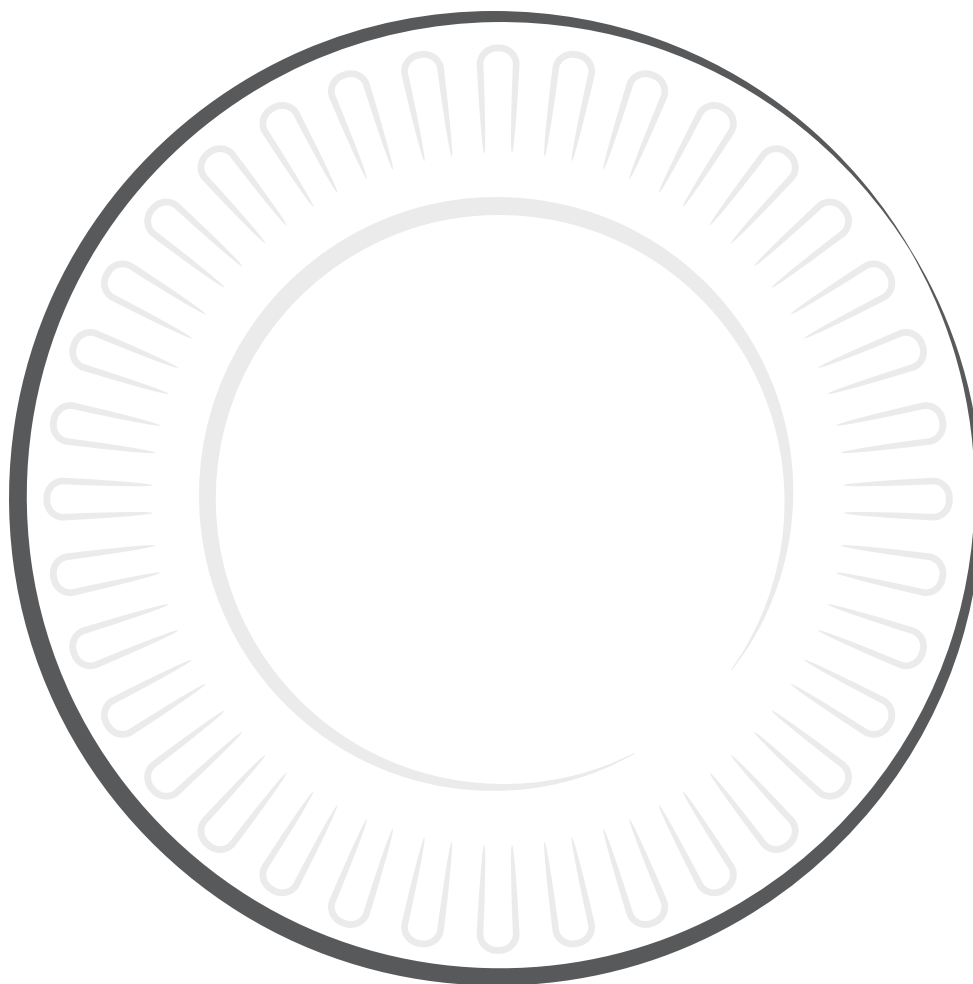
Why did the fruit change?

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



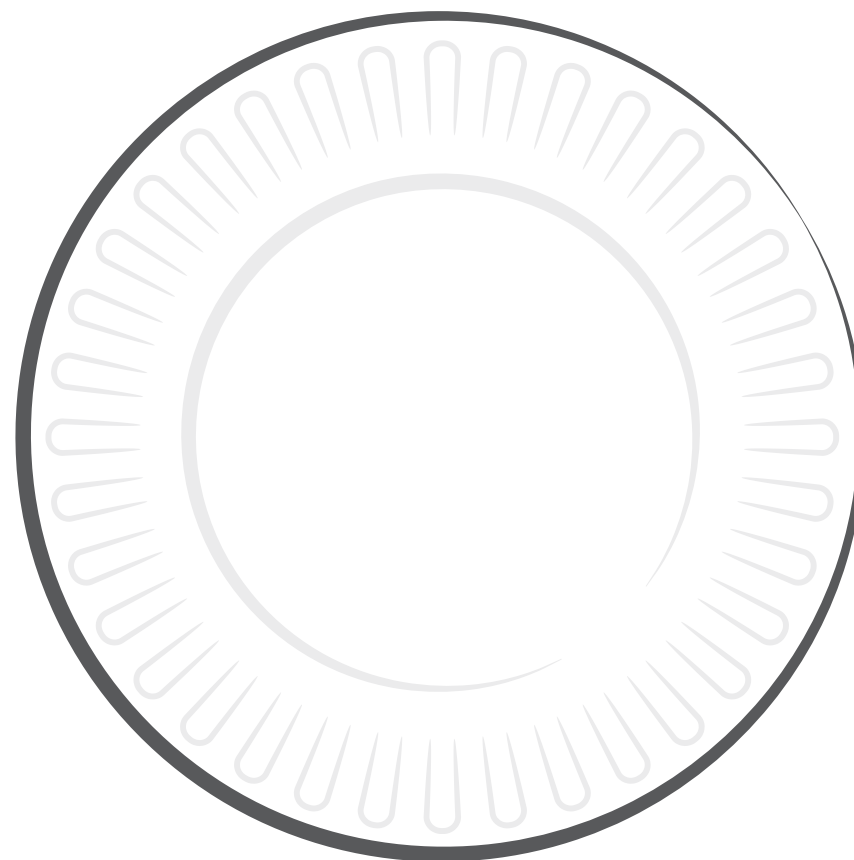
Sight

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.

