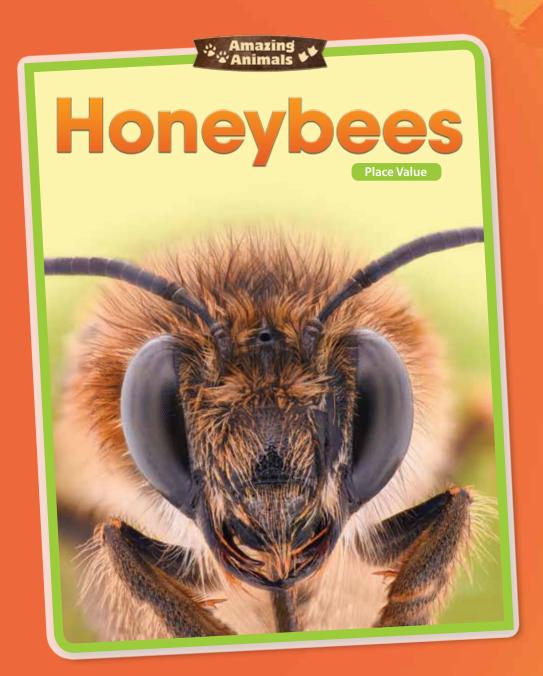




Honeybees

Place Value





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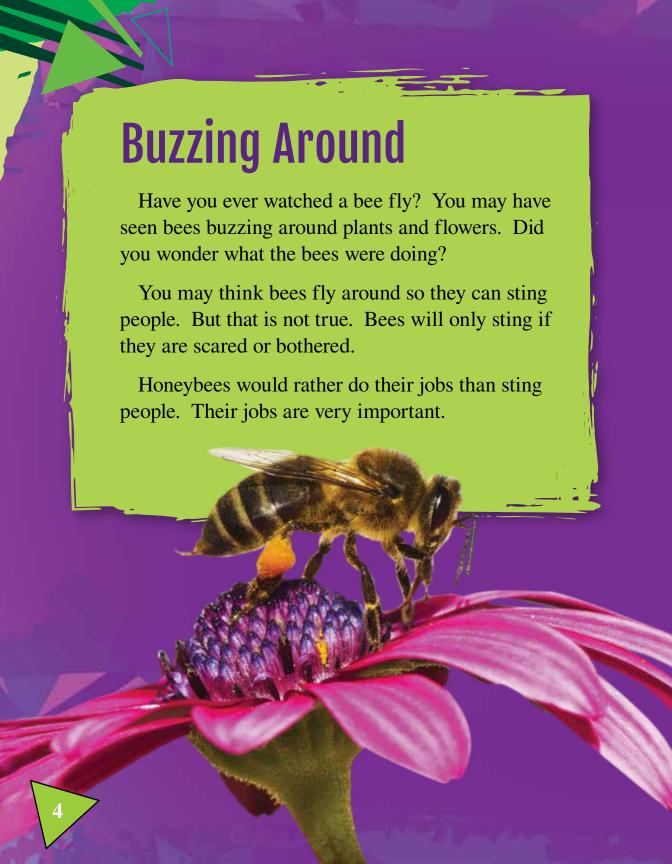
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Look at the picture below. Find the number of honeybees.



Which of the following show the number of bees in the picture?

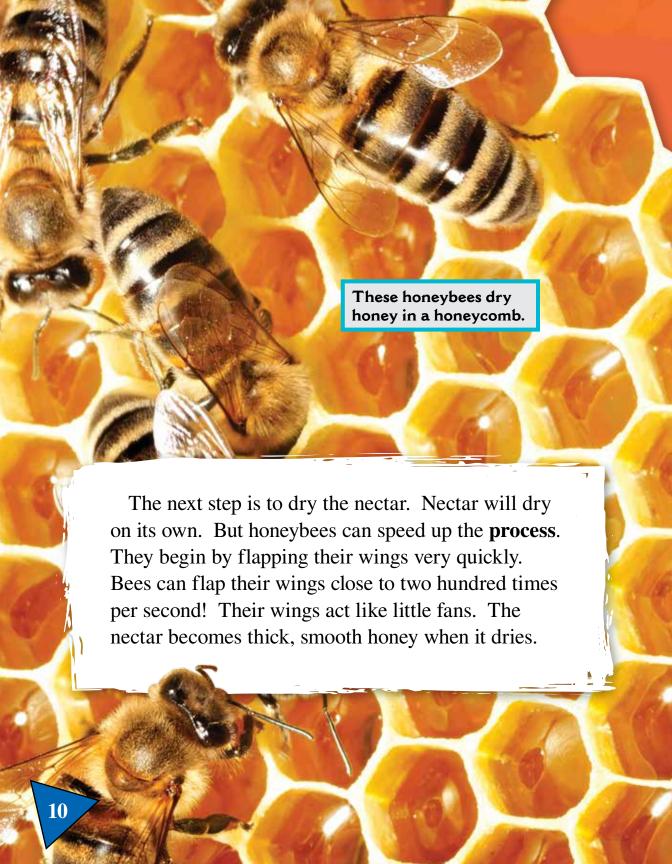
- A. 0000000
- **B.**
- C. 0000000000

Honeybees have another job. They make honey from nectar. Nectar is a sweet juice found in flowers. Bees love the taste. They spend their days searching for nectar. One bee may drink nectar from hundreds and hundreds of flowers each day!

Honeybees use their long tongues to drink nectar from flowers. When they drink their fill, they go back to their hives. Once there, they spit into other bees' mouths. These bees chew the nectar for about 30 minutes. Then, they spit it into the honeycomb part of the hive.

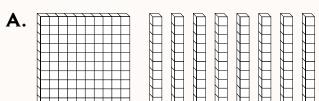


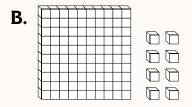


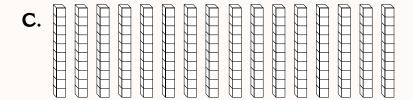


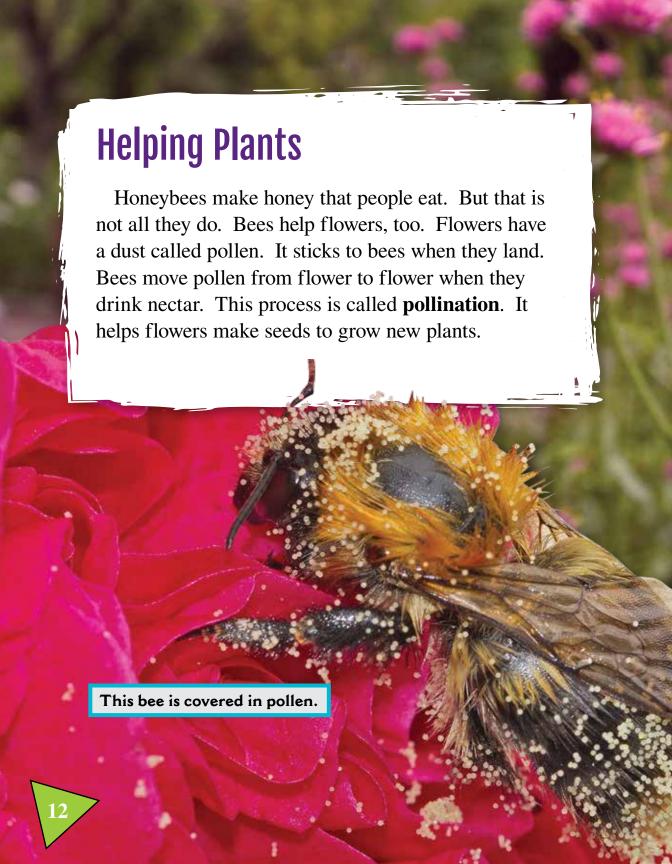
LET'S EXPLORE MATH

Honeybees can flap their wings close to two hundred times each second. Which of the following shows the number closest to two hundred?



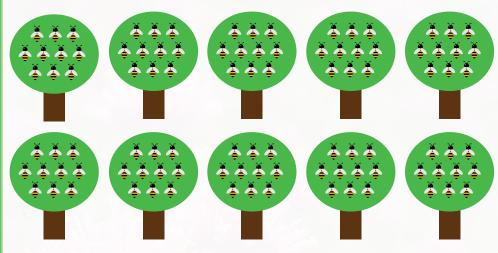






LET'S EXPLORE MATH

There are 10 fruit trees. Each tree has 10 honeybees drinking nectar from its flowers.



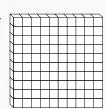
- 1. Which of these shows the number of bees on 1 tree?
 - of shows the number of bees on all the fruit trees?

2. Which of these



A.

B.



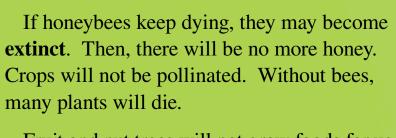
B.

C. 000000000

C. 000000000

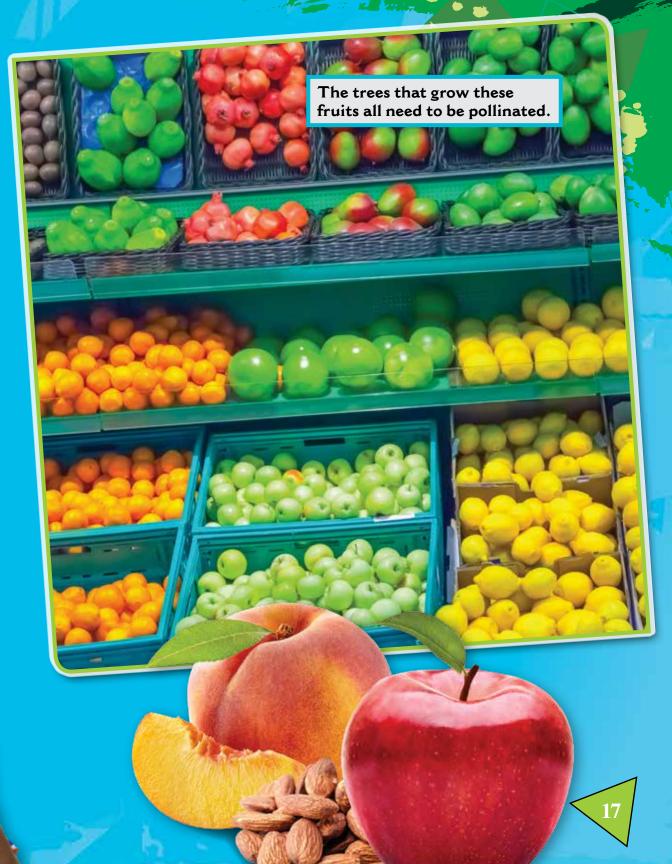






Fruit and nut trees will not grow foods for us to eat. There will be no more almonds. Apples and peaches will stop growing, too. People will not get to eat many of the foods they love.





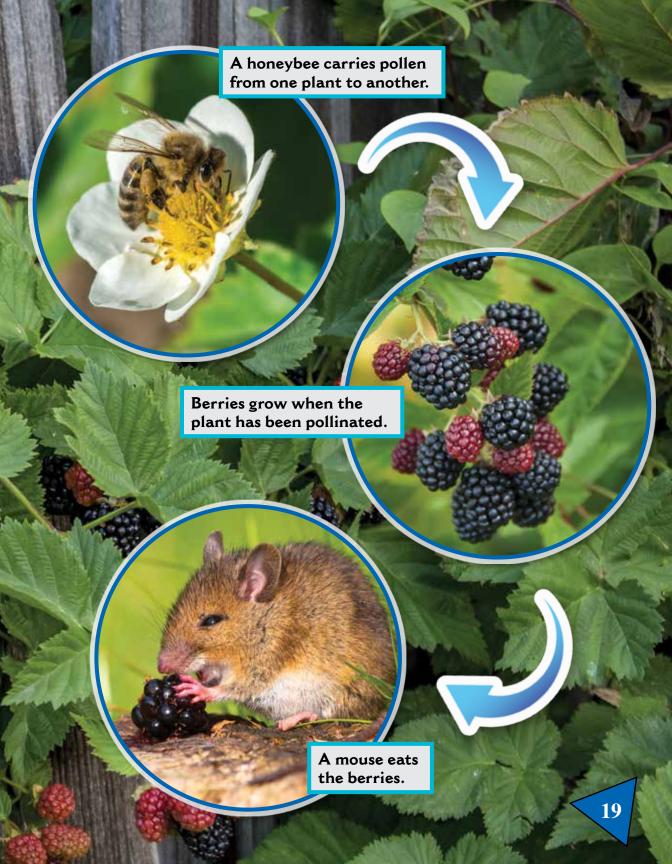


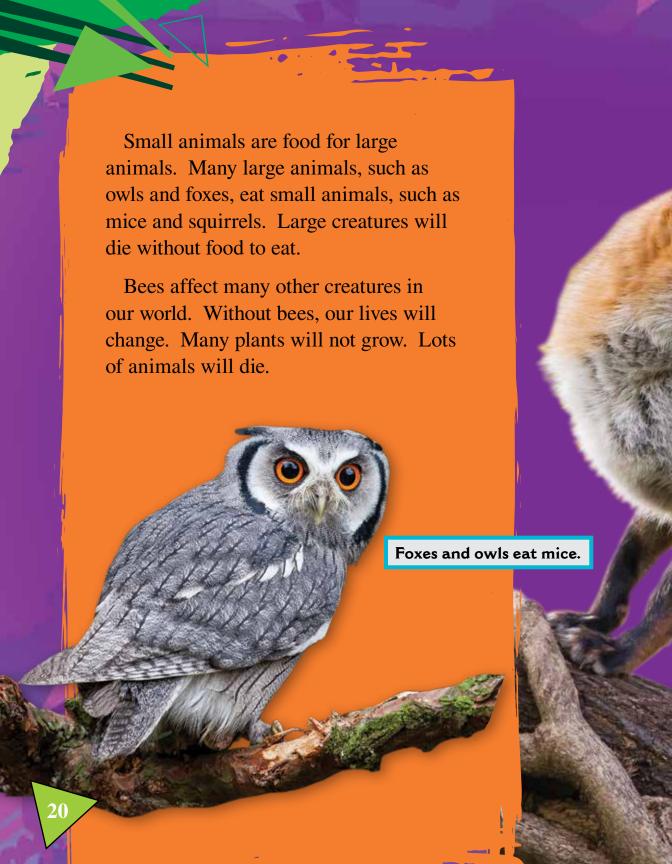
Honeybees **affect** many things around them. Bees are small insects. But they play a big role in Earth's **food chain**.

Without bees, **creatures** such as squirrels and mice will not have berries and seeds for food. These small animals will die without food.

LET'S EXPLORE MATH

- 1. There are 100 + 40 + 6 mice eating berries in a field. Write one number to show how many mice there are.
- 2. In the same field, there are 192 squirrels eating acorns. Write 192 as a total of hundreds, tens, and ones.















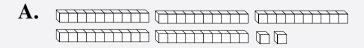


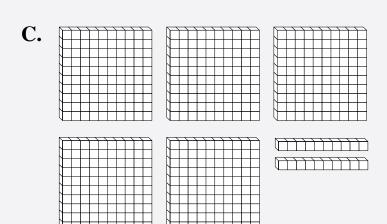


Problem Solving

José and Makayla have bees on their farm. First, the bees make honey. Then, they sell the honey.

1. José and Makayla have 52 hive boxes. Which of the following show 52?







- **2.** José and Makayla add 8 more hive boxes. How many hive boxes do they have now? How do you know?
- **3.** The bees on the farm make 108 pounds of honey in a month.
 - **a.** Write 108 as a total of hundreds, tens, and ones.
 - **b.** Draw the number line below, and plot 108.

140



Glossary

- affect—act on a person
 or thing and cause it to
 change
- chemicals—things that are made when two or more substances are mixed together
- colonies—groups of
 similar people or things
 living in one place
- **creatures**—types of animals
- **crops**—groups of plants grown by farmers
- depend—need or to
 count on someone or
 something

- extinct—no longer
 existing in the world
- food chain—a chain of
 events in which one
 type of living thing is
 food for another type of
 living thing
- pollination—the act of
 moving pollen from one
 plant to another
- process—a series of
 actions that produce
 something or make
 something happen



beekeeper, 24

chemicals, 14-15, 24, 27

colonies, 6

farmers, 14-15, 27-28

farms, 6, 24, 28–29

food chain, 18

hives, 6, 8, 24–25, 28–29

nectar, 8-10, 12-13, 22-23

pollen, 12, 19

pollination, 12, 15–17, 19

wild honeybees, 6



Answer Key

Let's Explore Math

page 7:

B and C

page 11:

A

page 13:

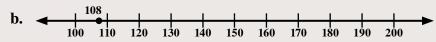
- 1. A and C
- **2.** B

page 18:

- **1.** 146 mice
- **2.** 100 + 90 + 2

Problem Solving

- 1. A and D
- **2.** 60 hive boxes; Answers will vary but may include 52 + 8 = 60.
- 3. **a.** 100 + 0 + 8



Math Talk

- 1. One beekeeper places 10 honeybees in each of his 10 hives. Another beekeeper places 100 honeybees in 1 hive. Who has more total honeybees? How do you know?
- **2.** Are 20 tens the same as 200? How do you know?
- **3.** How can you build a model of 900 using only tens blocks?
- **4.** Is it possible to build a model of 235 using only hundreds blocks? Why or why not?
- **5.** Stacy says she can make \$300 with 30 ten-dollar bills. Seth says he can make \$300 with 20 ten-dollar bills and 100 one-dollar bills. Do you agree with either of them? Why?
- **6.** How many ways can you arrange the digits 3, 6, and 9 to create three-digit numbers? How can you use hundreds, tens, and ones to prove that each number is different?





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Thank you for helping us create a world in which children love to learn!





