

Chimpanzee Behavior

Did You Know? Most baby animals learn things from their parents just as human children learn from their parents. A baby chimpanzee learns how to crack open a nut by watching its mother perform the task. When the chimp wants to eat a nut, it has learned to bring a rock down hard onto the nut. The chimpanzee does this over and over again until the nut cracks open.



- 1 A chimpanzee cracked open 8 nuts each morning for 5 mornings. Write a multiplication equation to find the total number of nuts the chimpanzee cracked.

40 nuts; $5 \times 8 = 40$

- 2 Draw an array to represent the answer to Exercise 1.

Check students' arrays.

- 3 A chimpanzee cracked open 6 nuts each morning for 5 mornings. Write a multiplication equation to find the total number of nuts the chimpanzee cracked.

30 nuts; $5 \times 6 = 30$

- 4 **Extension** New research reveals that chimpanzees communicate with more than 100 different hand gestures. This research adds about 30 gestures to the 70 gestures scientists previously thought chimpanzees knew. If scientists listed the gestures in groups of 10, what facts can you use to represent 30, 70, and 100 gestures?

$10 \times 3 = 30$; $10 \times 7 = 70$;

$(10 \times 3) + (10 \times 7) = 100$
