

## CHAPTER



# Exponents

## Lesson 1.1 Exponential Notation

19. 1,568

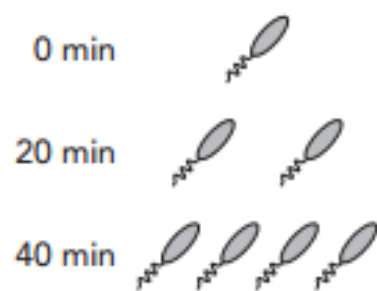
20. 18,225

21. 60

**Solve. Show your work.**

24. The mass of Mars is approximately 100,000,000,000,000,000,000 kilograms, and that of Neptune is about 100,000,000,000,000,000,000,000 kilograms. Write each mass as 10 raised to a power.

- 25.** Bacteria are single-celled organisms that can divide and multiply very rapidly when moisture and nutrients are present. The diagram shows the cell division of one bacterium.



Find the number of bacteria present after 80 minutes if there were two bacteria at 0 minutes. Give your answer in exponential notation.