Name _____

Practice   Tools   Assessment
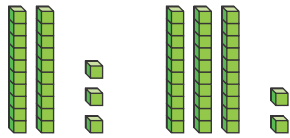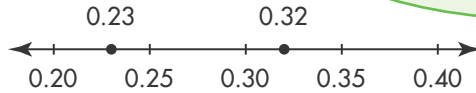
Another Example!

You can also use place-value blocks or number lines to compare.

0.23 < 0.32

0.23 < 0.32

> Grids, place-value blocks, and number lines are all appropriate tools to use for comparing decimals. When using place-value blocks, let the flat equal one whole.

☆ Guided Practice *

Do You Understand?

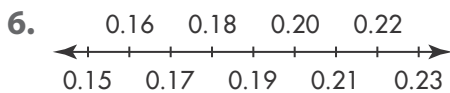1. Cy says, "0.20 is greater than 0.2 because 20 is greater than 2." Do you agree? Explain.

Do You Know How?

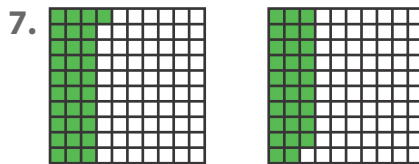For **2–5**, write >, <, or = in each ◯. Use an appropriate tool as needed to compare.

2. 0.70 ◯ 0.57   3. 0.41 ◯ 0.14

4. 6.28 ◯ 7.31   5. 1.1 ◯ 1.10

Independent Practice ☆
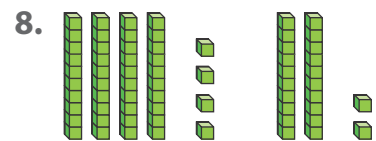
Leveled Practice For **6–14**, write >, <, or = in each ◯. Use an appropriate tool as needed to compare.

6.
0.16   0.18   0.20   0.22
0.15   0.17   0.19   0.21   0.23

0.17 ◯ 0.2

7.

0.31 ◯ 0.29

8.

0.44 ◯ 0.22

9. 0.1 ◯ 0.10   10. $2.98 ◯ $2.56   11. 7.01 ◯ 7.1

12. 0.08 ◯ 0.7   13. 3.40 ◯ 3.4   14. $21.50 ◯ $20.99

For **15–20**, write a decimal to make each comparison true.

15. _____ < 0.23   16. 8.60 = _____   17. _____ > 4.42

18. 13.2 > _____   19. 5.2 < _____   20. 6.2 = _____

*For another example, see Set C on page 471.   **Topic 12** | Lesson 12-3   **455**

Problem Solving ✦

21. Use Appropriate Tools Maria timed how long it took her Venus Fly Trap to close. The first time it took 0.43 second to close. The second time took 0.6 second to close. Which was the faster time? Draw place-value blocks to show your comparison.

22. Fishing lures have different weights. Which lure weighs more?

Yellow minnow
0.63 ounce

Green minnow
0.5 ounce
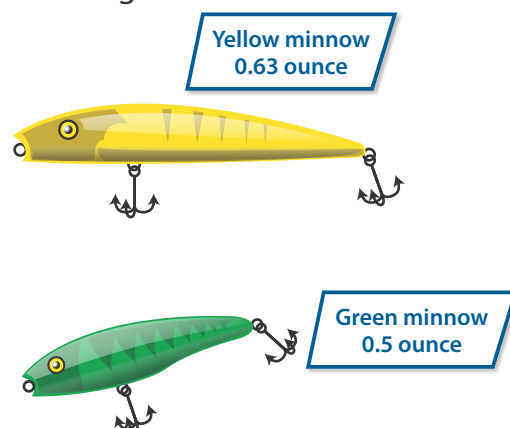
23. Number Sense Ellen wants to give 100 toys to each of 9 charities. In one week, she collects 387 toys. The next week, she collects 515 toys. Has Ellen reached her goal? Use an estimate to explain.

24. Higher Order Thinking Tori has two different-sized water bottles. In the larger bottle, she has 0.81 liter of water. In the smaller bottle, she has 1.1 liters of water. Can you tell whether one bottle has more water? Explain.

Assessment Practice

25. Stanley found the weights of two minerals, quartz and garnet. The quartz weighed 3.76 ounces and the garnet weighed 3.68 ounces.

Explain how Stanley can use a tool to find which mineral weighed more. **4.NF3.7**

Explain how Stanley can use place value to find which mineral weighed less.

4.NF3.7