

EXERCISES

 For more practice, see *Extra Practice*.

A Practice by Example

Example 1
(page 13)

Draw models for each pair of decimals. Which number is greater?

1. 0.4 and 0.5 2. 0.35 and 0.53 3. 0.2 and 0.02

Example 2
(page 13)

Order each set of decimals on a number line.

4. 0.7, 0.2, 0.35, 0.75 5. 2.1, 2.53, 2.3, 2.5
6. 6.4, 6.04, 7.6, 6.59, 7.2 7. 0.49, 0.34, 0.4, 0.3, 0.38

Example 3
(page 14)

Use $<$, $=$, or $>$ to complete each statement.

8. $0.76 \blacksquare 0.78$ 9. $1.42 \blacksquare 1.4$ 10. $2.30 \blacksquare 2.3$
11. $0.3 \blacksquare 0.27$ 12. $5.7 \blacksquare 5.70$ 13. $0.048 \blacksquare 0.408$


Example 4
(page 14)

Order each set of decimals from least to greatest.

14. 0.5, 0.7, 0.65 15. 17.1, 17.7, 13.7
16. 0.503, 0.53, 0.529 17. 9.2, 9.02, 9.209, 9.024

B Apply Your Skills


18. 1.79, 2.19, 1.991, 2.185, 1.979 19. 5.5506, 5.5660, 5.561, 5.58, 5.665

 **20. Population** About 11.02 million people live in Jakarta, Indonesia. About 11.7 million people live in Delhi, India. About 11.79 million people live in Karachi, Pakistan. Order the cities from least to greatest population.

21. Open-Ended Write six numbers between 2.2 and 2.222. Order them from least to greatest.

Select all the values on the right that will make each statement true.

22. $4.18 < \blacksquare < 4.25$ 4.25, 4.17, 4.27, 4.2025, 4.319, 4.198
23. $0.57 < \blacksquare < 0.67$ 0.6595, 0.5025, 0.6701, 0.6095, 0.62, 0.567

 **24. Olympics** The United States won the women's 100-meter run in all the years listed at the left. Order the times from least to greatest.

25. Writing in Math Alia ran the 100-yard dash in 11.88 seconds. Patty ran it in 11.9 seconds. Who ran faster? Explain how you know.

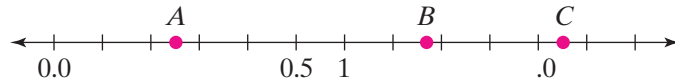
26. Data File, p. 3 Write $\overline{\text{XMCXIV}}$ and $\overline{\text{XMCXVI}}$ as Arabic numerals (standard form). Compare the Roman numerals using $<$, $=$, or $>$.

Year	Time (seconds)
1984	10.97
1988	10.54
1992	10.82
1996	10.94
2000	10.75

Source: *The World Almanac*

C Challenge

27. **Estimation** Estimate the decimals represented by points *A*, *B*, and *C*.



28. **Libraries** The Dewey Decimal System assigns a number to every nonfiction book. These seven books are arranged in the correct order from left to right. Match each label to its book by ordering the labels from least to greatest.

- 709.52 952 370.973 031.02
398.9 944 398.2

29. **Stretch Your Thinking** During a scavenger hunt, Team A found 8 more items than Team B. Team C found twice as many items as Team B. Together, the three teams found a total of 72 items. How many items did Team A find?



Test Prep

Multiple Choice

30. Which statement is NOT true about the decimals 0.2, 0.4, and 0.6?
 A. $0.2 < 0.4$ and $0.4 < 0.6$ B. $0.2 < 0.4$ and $0.6 > 0.2$
 C. $0.2 < 0.6$ and $0.6 < 0.4$ D. $0.4 < 0.6$ and $0.6 > 0.2$
31. Which value is NOT between 3.6 and 3.75?
 F. 3.62 G. 3.647 H. 3.7 I. 3.8
32. Which value is greater than 0.72 and less than 1.29?
 A. 0.7 B. 0.999 C. 1.3 D. 1.9



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Online lesson quiz at
www.PHSchool.com
 Web Code: aaa-0103

Mixed Review

Skills Handbook p. 657

Subtract.

33. $152 - 27$ 34. $34,567 - 488$ 35. $13,789 - 3,653$
 36. $91 - 62$ 37. $836 - 459$ 38. $4,071 - 2,190$