

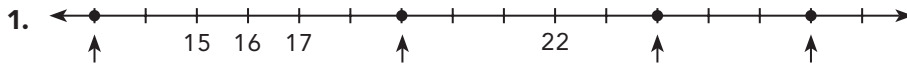
CHAPTER

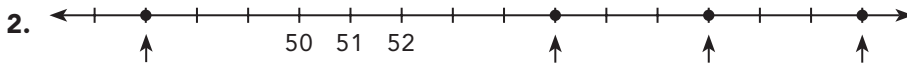


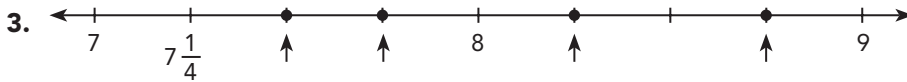
Positive Numbers and the Number Line

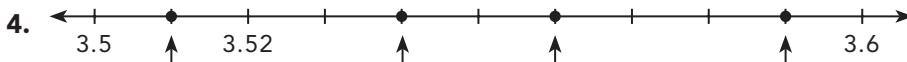
Lesson 1.1 The Number Line

Complete the number lines by filling in the missing values.









Draw a horizontal number line to represent each set of numbers.

5. Even numbers between 30 and 45

6. Whole numbers greater than 15 but less than 26

Name: _____

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7. Mixed numbers from 6 to 7, with an interval of $\frac{1}{5}$ between each pair of mixed numbers

8. Decimals between 9.4 to 10.5, with an interval of 0.1 between each pair of decimals

Draw a vertical number line to represent each set of numbers.

9. Whole numbers greater than 20 but less than 27

10. Mixed numbers between 5 and 7, with an interval of $\frac{1}{3}$ between each pair of mixed numbers

Name: _____

Date: _____

Fill in each box with $>$ or $<$. Use a number line to help you.

11. 103 301

12. 241 214

13. $5\frac{3}{5}$ $5\frac{5}{6}$

14. $7\frac{7}{8}$ $7\frac{7}{9}$

15. 48.96 48.69

16. 79.03 97.30

17. 6.25 $6\frac{3}{7}$

18. $9\frac{5}{8}$ 9.56

19. 3.7 $3\frac{2}{3}$

20. $10\frac{5}{9}$ 10.57

Arrange each set of numbers in order from least to greatest. Then draw a horizontal number line to represent the set of numbers.

21. A number line between 7 and 9 with $7\frac{1}{2}$, $8\frac{1}{6}$, $7\frac{1}{3}$, $8\frac{2}{3}$, $7\frac{5}{6}$, and $8\frac{6}{6}$

_____ least _____ greatest

22. A number line between 3 and 5 with 3.5, 4.5, 3.25, 4.25, and 4.75

_____ least _____ greatest

Name: _____

Date: _____

Solve.

- 23.** The perimeter of a square clock is $16\frac{6}{9}$ inches. The perimeter of a rectangular clock is $16\frac{16}{18}$ inches. Write an inequality comparing the two perimeters.
- 24.** The mass of a crate of mangoes is $11\frac{12}{13}$ kilograms. The mass of a crate of pineapples is $11\frac{11}{12}$ kilograms. Write an inequality comparing the two masses.
- 25.** A blue scarf is 1.7 yards long. A green scarf is $1\frac{4}{5}$ yards long. Which scarf is longer? How much longer?
- 26.** A jug contains 2.45 liters of cranberry juice. A bottle contains $2\frac{13}{25}$ liters of grape juice. Which container holds less fruit juice? How much less?