Lesson 44 • Division Answers

Power Up

- ***Facts***
- ***Mental Math***
- ***Problem Solving***

New Concepts

- ***Examples***
- ***Practice Set***

Written Practice

Facts Write the number that completes each equivalent measure.

1. 1 foot = 12 inches
2. 1 yard = 36 inches
3. 1 yard = 3 feet
4. 1 mile = 5280 feet
5. 1 centimeter = 10 millimeters
6. 1 meter = 1000 millimeters
7. 1 meter = 100 centimeters
8. 1 kilometer = 1000 meters
9. 1 inch = 2.54 centimeters
10. 1 pound = 16 ounces
11. 1 ton = 2000 pounds
12. 1 gram = 1000 milligrams
13. 1 kilogram = 1000 grams
14. 1 metric ton = 1000 kilograms
15. 1 kilogram ≈ 2.2 pounds
16. 1 pint = 16 ounces
17. 1 pint = 2 cups
18. 1 quart = 2 pints
19. 1 gallon = 4 quarts
20. 1 liter = 1000 milliliters

21–24. 1 milliliter of water has a volume of 1 cm^3 and a mass of 1 gram. One liter of water has a volume of 1000 cm^3 and a mass of 1 kg.

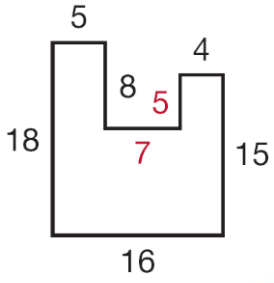
25–26. Water freezes at 32 °F and 0 °C.

27–28. Water boils at 212 °F and 100 °C.

29–30. Normal body temperature is 98.6 °F and 37 °C.

Written Practice

1. $\frac{4}{3}$
2. 89
3. A bar graph is a better way to display the scores than a circle graph. A bar graph shows comparisons. A circle graph shows parts of a whole.
4. $0.50
5. two and eight hundred eighty-three thousandths
6. a. 5 motorcycles
   b. $\frac{5}{1}$
7. 78 meters



Written Practice *continued*

8. a. $\frac{3}{4}$
b. 0.625
c. 1.25

9. $\frac{1}{4}$, 0.25

10. B

11. a. 15, 21
b. 55

12. a. $0.4\overline{90}$
b. 0.491

13. 210

14. a. -12, 0, 0.12, $\frac{1}{2}$, 1.2, 1.2
b. -12, 0

15. a. 18 inches
b. 24 books

16. 5

17. 30 meters

18. See student work.
a. 6.25 cm^2
b. 10 cm

19. 9 sq. units

Written Practice *continued*

20. 2

21. 20

22. 0.86

23. 0.9

24. 2.0525

25. 0.017

26. $9\frac{1}{12}$

27. $\frac{1}{6}$

28. 100

29. $\frac{2}{3}$

30. a. 55°

b. 35°

c. 55°

a. Sample: The other two angles of $\triangle ABD$ measure 35º and 90º. For the sum to be 180º, m$\angle ABD$ must be 55º.

b. Sample: Since the figure is a rectangle, m$\angle ABC$ is 90º. We found that m$\angle ABD$ is 55º; $\angle CBD$ is the complement of $\angle ABD$, so m$\angle CBD$ is 35º.

c. Sample: Angle *BDC* is the complement of a 35º angle. Also, $\angle BDC$ is the third angle of a triangle whose other two angles measure 35º and 90º.