Lesson 29 • Rounding Whole Numbers • Rounding Mixed Numbers • Estimating Answers

Power Up

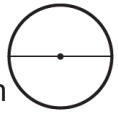
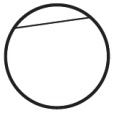
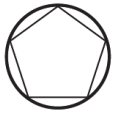
- ***Facts***
- ***Mental Math***
- ***Problem Solving***

New Concepts

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

Written Practice

Facts Write the word or words to complete each definition.

The distance around a circle is its  circumference.	Every point on a circle is the same distance from its  center.	The distance across a circle through its center is its  diameter.	The distance from a circle to its center is its  radius.
Two or more circles with the same center are  concentric circles.	A segment between two points on a circle is a  chord.	Part of a circumference is an  arc.	Part of a circle bounded by an arc and two radii is a  sector.
Half a circle is a  semicircle.	An angle whose vertex is the center of a circle is a  central angle.	An angle whose vertex is on the circle whose sides include chords is an  inscribed angle.	A polygon whose vertices are on the circle and whose edges are within the circle is an  inscribed polygon.

Written Practice

1. 94 inches

2. The cost per pound is \$0.69. To find the cost per pound, divide \$5.52 by 8.

3. 80 fruit flies

4. $\frac{1}{2}$

5. a. 32 birds

b. 48 birds

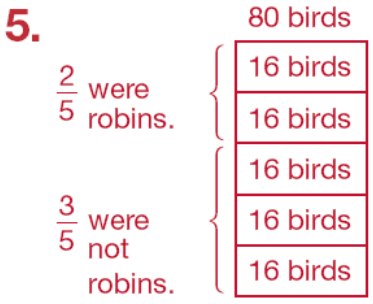
6. a. 24

b. 144

7. a. 3 in.

b. $\frac{9}{16}$ in.^{2}

5.



8. a. 400

b. 370

9. 11,000

10. a. 5

b. $4\frac{1}{2}$

11. a. 20

b. 5

12. $2^9 \cdot 5^9$

Written Practice *continued*

13. a. 50%

b. 50%

c. 50%

14. a. 10 in.

b. 12 in.^{2}

15. a. $\angle AFB$

b. 90°

16. 16

17. $10\frac{5}{9}$

18. $8\frac{1}{3}$

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

20. $1\frac{1}{3}$

21. $\frac{10}{21}$

22. $179.76

23. Round $5\frac{1}{3}$ to 5 and round $4\frac{7}{8}$ to 5. Then multiply the rounded numbers. The product of the mixed numbers is about 25.

24. a. 6

b. 3

25. 33

26. a. 2 inches

b. 6 inches

Written Practice *continued*

27. a. acute angle

b. obtuse angle

c. straight angle

28. $\frac{4}{6} - \frac{3}{6} = \frac{1}{6}$

29. 16 ounces

30. a. 12 in.^{2}

b. The actual area is greater than the estimate because that actual length and width are greater than the numbers used to estimate the area.