

Name: _____ Date: _____
 Lesson 97 Pages 615 - 617

<p>1. Use your textbook to solve.</p> <p>a.</p> <p>b.</p> <p>c.</p> <p>d.</p>	<p>2. Use your textbook to solve.</p>	<p>3. What percent of the gold coins in problem 2 was doubloons?</p> <p>_____</p>
<p>4. Write each mixed number as a decimal.</p> <p>a. $3\frac{5}{10}$</p> <p>b. $14\frac{21}{100}$</p> <p>c. $9\frac{4}{100}$</p>	<p>5. Estimate the product of 39 and 406. Then find the exact product.</p>	<p>6. If $y = 4x - 2$, what is y when x is 4?</p>
<p>7. Write these fractions in order from least to greatest</p> <p>$\frac{3}{4}$ $\frac{1}{2}$ $\frac{5}{8}$</p>	<p>8. Compare:</p> <p>2 thousand 024 hundred</p>	<p>9. What is the perimeter of the rectangle.</p> <p>a. in millimeters?</p> <p>b. in centimeters?</p>
<p>12. What is the average (mean) number of days per month in the first three months of a common year?</p>	<p>13.</p> <p>25×40</p>	<p>14.</p> <p>$96¢ \times 7 =$</p>

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15.

$$\sqrt{36} \times \sqrt{4} =$$

16.

$$\frac{3^3}{3} =$$

17.

$$\begin{array}{r} 36 \\ \times 34 \\ \hline \end{array}$$

18.

$$\begin{array}{r} 35 \\ \times 35 \\ \hline \end{array}$$

21.

$$6 \overline{)1234}$$

23.

$$487 \div 3$$

27. Use your textbook and the list below to answer a-e.

- a. b.
c. d.
e.

28. Use your textbook to solve the problem.

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 Lesson 98 Pages 621 - 623

<p>① Use your textbook to solve.</p> <p>a.</p> <p>b.</p> <p>c.</p>	<p>2. Use your textbook to solve.</p>	<p>3. Compare:</p> <p>a. $206,353$ \bigcirc $209,124$</p> <p>b. $518,060$ \bigcirc $518,006$</p>
<p>5. Write each mixed number as a decimal:</p> <p>a. $5\frac{31}{1000} \rightarrow$</p> <p>b. $16\frac{1}{10} \rightarrow$</p> <p>c. $5\frac{7}{100} \rightarrow$</p>	<p>6. Use your textbook to solve <u>and</u> illustrate.</p>	<p>⑦ One fifth is 20%. What percent is three fifths?</p>
<p>8. Use words to write 7.68</p>	<p>9. Use words to write 76.8.</p>	<p>10. Use your textbook to solve <u>and</u> explain.</p>
<p>12. There were 24 people in one line and 16 people in the other line. What was the average number of people per line?</p>	<p>13. Use your textbook to find at what time Makayla's school day ends.</p>	<p>15.</p> <p>$3.65 + 4.2 + 0.625 =$</p> <p>_____</p>

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17.

$$26 \times 100 =$$

19.

$$14 \times 16 =$$

20.

$$15^2$$

24.

$$1 \overline{)163}$$

26. Use your textbook to solve.

28. Find the median and mode for this set of numbers:

1, 1, 2, 3, 5, 8, 13

29. What geometric shape is a globe?

30. Use your textbook to find:

a.

b.

c.

Teacher Notes:

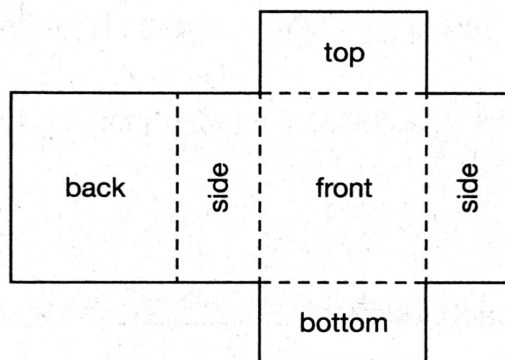
- Introduce Hint #49 "Faces on a Cube."
- Review "Solids" on page 17 in the *Student Reference Guide*.
- Use geometric solids to illustrate concepts in this lesson.

• Constructing Prisms

New Concept

Math Language

A **net** is a 2-dimensional (flat) representation of a 3-dimensional geometric figure.

**Activity**

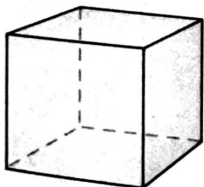
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Constructing Prisms

Use your textbook to complete this activity.

Lesson Practice

Look at the cube to answer problems a–e.

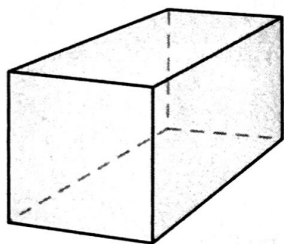


- What is the shape of each face? _____
- Is each face parallel to an opposite face? _____

- c. Is each edge parallel to at least one other edge? _____
- d. Is each edge perpendicular to at least one other edge? _____
- e. What kind of angle is formed by every pair of intersecting edges?

r _____

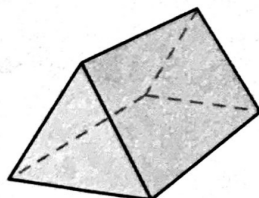
Look at the rectangular prism to answer problems **f–j**.



- f. What is the shape of each face? _____
- g. Is each face parallel to an opposite face? _____
- h. Is each edge parallel to at least one other edge? _____
- i. Is each edge perpendicular to at least one other edge? _____
- j. What kind of angle is formed by every pair of intersecting edges?

r _____

Look at the triangular prism below to answer problems **k–o**.



- k. What are the shapes of the five faces?

two t _____ and three r _____

Lesson Practice, continued

l. Are the triangular faces parallel? _____

Are the rectangular faces parallel? _____

m. Are the triangular faces congruent? _____

Are the rectangular faces congruent? _____

n. Can you find pairs of edges that are parallel? _____

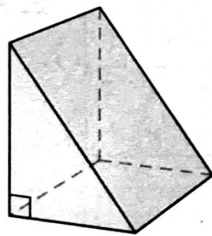
Can you find pairs of edges that are perpendicular? _____

Can you find pairs of edges that intersect but are not perpendicular?

o. What kind of angles are formed by the intersecting edges?

r _____ and a _____

Look at the triangular prism below to answer problems p–t.



p. What are the shapes of the five faces?

two right t _____ and three r _____

q. Which faces are parallel?

the t _____ faces

Lesson Practice, continued

r. Are the triangular faces congruent? _____

Are the rectangular faces congruent? _____

s. Can you find pairs of edges that are parallel? _____

Can you find pairs of edges that are perpendicular? _____

Can you find pairs of edges that intersect but are not perpendicular?

t. What kind of angles are formed by the intersecting edges?

r _____ and a _____



Solve each problem.

1) $4 \overline{) 730}$

7	3	0	

2) $7 \overline{) 872}$

8	7	2	

3) $8 \overline{) 928}$

9	2	8	

4) $8 \overline{) 693}$

6	9	3	

5) $3 \overline{) 838}$

8	3	8	

6) $9 \overline{) 738}$

7	3	8	

7) $7 \overline{) 672}$

6	7	2	

8) $4 \overline{) 492}$

4	9	2	

9) $2 \overline{) 428}$

4	2	8	

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____



Solve each problem.

$$\begin{array}{r} 1) \quad 32 \\ \times 41 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 89 \\ \times 89 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 74 \\ \times 21 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 95 \\ \times 52 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 24 \\ \times 85 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 99 \\ \times 36 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 94 \\ \times 95 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 19 \\ \times 61 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 91 \\ \times 49 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 88 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 44 \\ \times 79 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 46 \\ \times 86 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 30 \\ \times 91 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 35 \\ \times 81 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 80 \\ \times 39 \\ \hline \end{array}$$

$$\begin{array}{r} 16) \quad 63 \\ \times 15 \\ \hline \end{array}$$

$$\begin{array}{r} 17) \quad 90 \\ \times 99 \\ \hline \end{array}$$

$$\begin{array}{r} 18) \quad 96 \\ \times 43 \\ \hline \end{array}$$

$$\begin{array}{r} 19) \quad 91 \\ \times 44 \\ \hline \end{array}$$

$$\begin{array}{r} 20) \quad 50 \\ \times 94 \\ \hline \end{array}$$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____