Brandon Valley School District

District Learning Plan

March 23-27, 2020

Grade 5 Math

Brandon Valley School District Distance Learning Plan

LESSON/UNIT: Chapter 12 Geometry **SUBJECT/GRADE:** Math/5th **DATES:** March 23-27, 2020

| What do students need to do?

PART ONE link to BV instructional video for March 23-27, 2020

PART Two link to BV instructional video for March 23-27, 2020 | **Monday (3/23)**: Review math textbook pages 935-936. Work independently on pages 937-940 for practice.
Tuesday (3/24): Review math textbook pages 941-942. Work independently on pages 943-944 . Complete homework pages 945-946, 1-7 to be assessed.
Wednesday (3/25): Review math textbook pages 949-950. Work independently on pages 951-954 for practice.
Thursday (3/26): Review math textbook pages 955-956. Work independently on page 957-958 for practice. Complete homework pages 959-960, 1-8 to be assessed.
Friday (3/27): Review math textbook pages 961-962. Work independently on page 963-964 for practice. Complete homework pages 965-966 , 1-10 to be assessed |
|---|---|
| What do students need to bring back to school? | Math text book with completed homework pages for chapter 12: Pages 943-944, 959-960, 965-966 |
| What standards do the lessons cover? | Measurement and Data 5.MD
A. Convert like measurement units within a given measurement system.
 1. Convert customary and metric measurement units within a given measurement system (e.g., convert 5 cm to 0.05 m). Use these conversions in solving multi-step, real world problems involving distances, intervals of time, liquid volumes, masses of objects, and money (including problems involving simple fractions or decimals). For example, 3.6 liters and 4.1 liters can be combined as 7.7 liters or 7700 milliliters.
B. Represent and interpret data.
 2. Make a line plot to display a data set. a. Use operations on fractions of a unit (1/2, 1/4, 1/8) for this grade to solve problems involving information presented in line plots. b. Use information from a line plot representing an unequal situation and redistribute whole or fractional parts to create an equal distribution. For example, given different measurements of liquid in identical beakers, find the amount of liquid each beaker would contain if the total amount in all the beakers were redistributed equally
C. Geometric measurement: understand concepts of volume and relate volume to multiplication and to addition.
 3. Recognize volume as an attribute of solid figures and understand concepts of volume measurement. a. A cube with side length 1 unit, called a "unit cube," is said to have "one cubic unit" of volume, and can be used to measure volume. b. A solid figure which can be packed without gaps or overlaps using n unit cubes is said to have a volume of n cubic units.
4. Measure volumes by counting unit cubes, using cubic cm, cubic in, cubic ft, and improvised units. |
| What materials do students need? What extra resources can students use? | Need -Math Textbook
Extra -You Tube Videos
Day 1: https://www.youtube.com/watch?v=0Brhus7jiw4
Day 2: https://www.youtube.com/watch?v=-auMordjl4k
Day 3: https://www.youtube.com/watch?v=u1nWI2b0fT4
Day 4: https://www.youtube.com/watch?v=BAa0N9vvD0s
Day 5: https://www.youtube.com/watch?v=slQkp4Um36Q |

What can students do if they finish early?	1.- State testing practice site- https://login10.cloud1.tds.airast.org/student/V388/Pages/LoginShell.aspx?c=SouthDakota_PT 2. ALEKS-- https://www.aleks.com/ 3. Practice your math facts- https://www.factmonster.com/math/flashcards
Who can we contact if we have questions?	**Brandon Valley Intermediate School** **Principal-** Mr. Skibsted- Nick.Skibsted@k12.sd.us **Assistant Principal-** Mr. Pearson- Rick.Pearson@k12.sd.us **Math Teachers:** Mr. Mashlan- Justin.Mashlan@k12.sd.us (blue team) Mr. Carroll- Scott.Carroll@k12.sd.us (red team) Mr. Peters- Jon.Peters@k12.sd.us (white team) Mr. Wiese- Alex.Wiese@k12.sd.us (silver team)
Notes:	

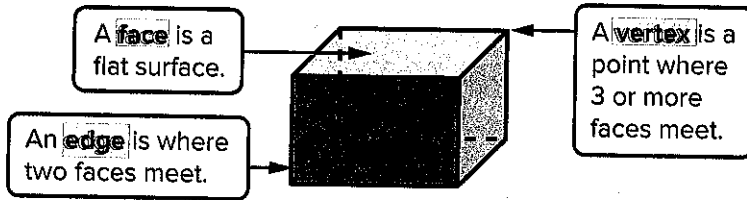*Instructional materials are posted below (if applicable)*

Name
....

Lesson 7
Three-Dimensional Figures

A **three-dimensional figure** has length, width, and height.

A **face** is a flat surface.

A **vertex** is a point where 3 or more faces meet.

An **edge** is where two faces meet.

Math in My World

Tools   Watch   Tutor

Describe the faces, edges, and vertices of the figure outlined on the luggage bag. Then identify the shape of the figure.

faces   The figure has .... faces. Each face appears to be a rectangle.

edges   There are .... edges. The opposite edges are parallel and congruent.

**vertices**   The figure has .... vertices.

Prisms are three-dimensional figures. A **prism** has at least three faces that are rectangles. The top and bottom faces, called the **bases**, are congruent parallel polygons.

The figure above is a rectangular prism. In a **rectangular prism**, the bases are congruent rectangles. A rectangular prism has six rectangular faces, twelve edges, and eight vertices.

Online Content at 𝒮 **connectED.mcgraw-hill.com**
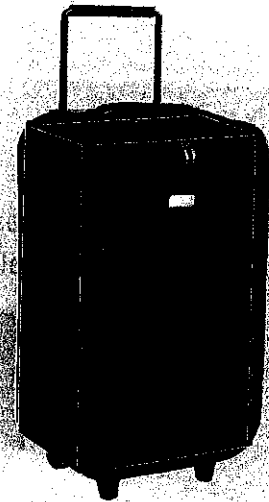
Key Concept Prisms
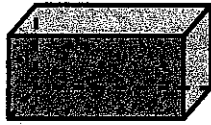
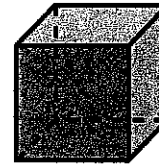| Rectangular Prism	Triangular Prism	Cube
A rectangular prism has six rectangular faces, twelve edges, and eight vertices.	A triangular prism has triangular bases. It has five faces, nine edges, and six vertices.	A cube has six square faces, twelve edges, and eight vertices. A cube is also a square prism.

Guided Practice

1. Describe the faces, edges, and vertices of the three-dimensional figure. Then identify it.

Talk MATH

Describe the differences between a triangular prism and a rectangular prism.
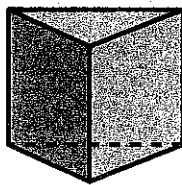
faces   This figure has _____ faces. The _____ bases are congruent and parallel. The other faces are _____ .

edges   There are _____ edges. The edges that form the vertical sides of the rectangles are parallel and _____ .

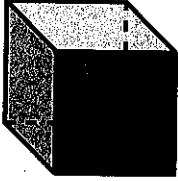**vertices**   This figure has _____ vertices.

The figure is a _____ .

Name ....

Describe the faces, edges, and vertices of each three-dimensional
figure. Then identify it.

2.

3.
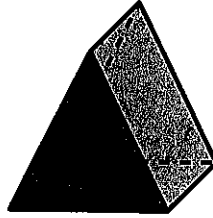
4.
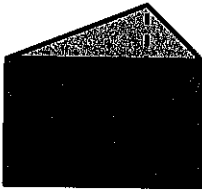
5.

6.

7.
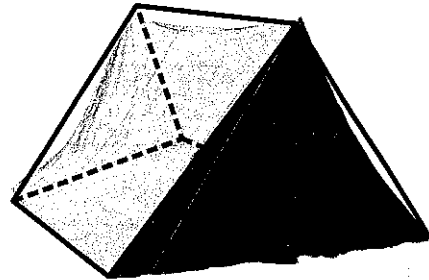
Problem Solving

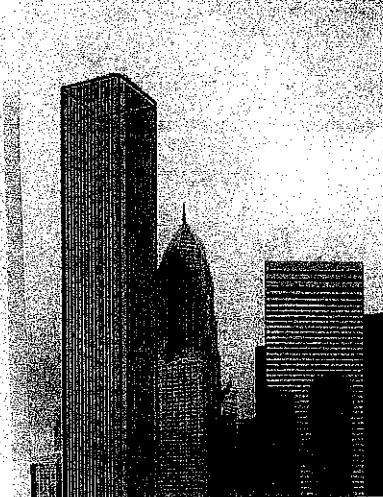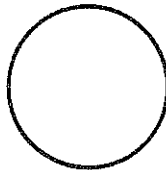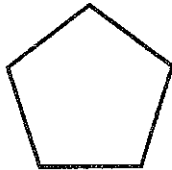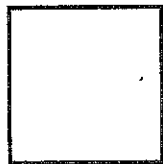**Processes & Practices** ⑦ **Identify Structure** The Aon Center in Chicago is in the shape of a rectangular prism. Circle the two-dimensional figures that make up the faces of the prism.

8.

9. Describe the number of vertices and edges in an unopened cereal box. Identify the shape of the box.

Brain Builders

Processes & Practices ④ **Model Math** What figure is formed if only the height of a cube is increased? Draw the figure to support your answer.

10.

11. **Building on the Essential Question** How are rectangular prisms, triangular prisms, and cubes different? How are they the same?

Homework

Homework Helper [eHelp]

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Describe the faces, edges, and vertices of the ramp. Then identify the shape of the ramp.

faces   This figure has 5 faces. The triangular bases are congruent and parallel. The other faces are rectangles.

edges   There are 9 edges. The edges that form the horizontal sides of the rectangles are parallel and congruent.
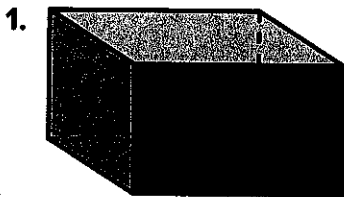
vertices   This figure has 6 vertices.

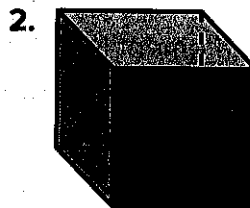The ramp is a triangular prism.
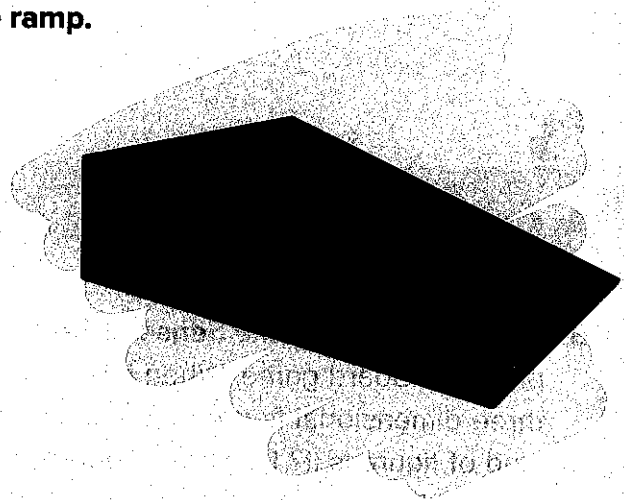
Practice

Describe the faces, edges, and vertices of each three-dimensional figure. Then identify it.

1.

_____

_____

_____

2.

_____

_____

_____

Problem Solving

3. Rhett made a simple drawing of his house. It is a three-dimensional figure with four faces that are rectangular and two that are square. What kind of figure is it?

_____

4. A toy box has 6 faces that are squares. There are 12 edges and 8 vertices. Identify the shape of the toy box.

_____

Brain Builders

Processes & Practices

5. **Make Sense of Problems** Gabriel is playing a board game. When it is his turn, he tosses a three-dimensional figure that has 6 square faces. What kind of figure is it? How many edges and vertices does it have? Draw the figure to support your answer.

_____

Vocabulary Check

Vocab

Fill in the blank with the correct term or number to complete the sentence.

6. A vertex is a point where _____ or more edges meet.

7. **Test Practice** Which statement is true about the three-dimensional figure that most closely represents the slice of pie?

Easy as pie

Ⓐ The figure has 4 vertices.

Ⓑ The figure has 6 vertices.

Ⓒ The figure has 10 edges.

Ⓓ The figure has 12 edges.

Name ....

A **three-dimensional figure** has length, width, and height. A **net** is a two-dimensional pattern of a three-dimensional figure. You can use a net to build a three-dimensional figure.

A **cube** is a three-dimensional figure with six faces that are congruent squares. **Congruent figures** have the same size and shape.

A **rectangular prism** is a three-dimensional figure with six rectangular faces. Opposite faces are parallel and congruent.
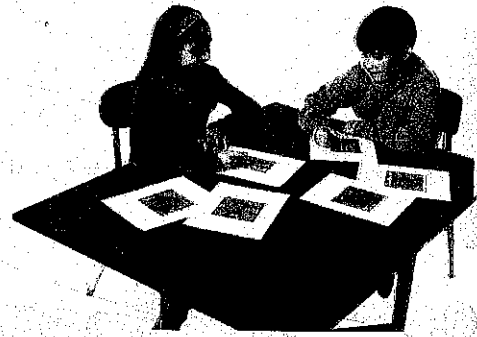
A **face** is a flat surface.
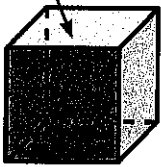
Cube   **Rectangular Prism**

Build It

Tools **Watch**
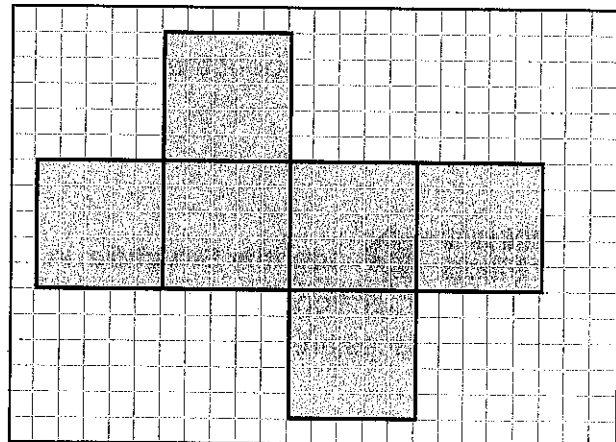
1 Copy the net shown onto grid paper.

2 Cut out the net. Fold along the lines to form a three-dimensional figure. What figure did you form?

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1 Copy the net shown onto grid paper.

2 Cut out the net. Fold along the lines to form a three-dimensional figure. What figure did you form?

_____
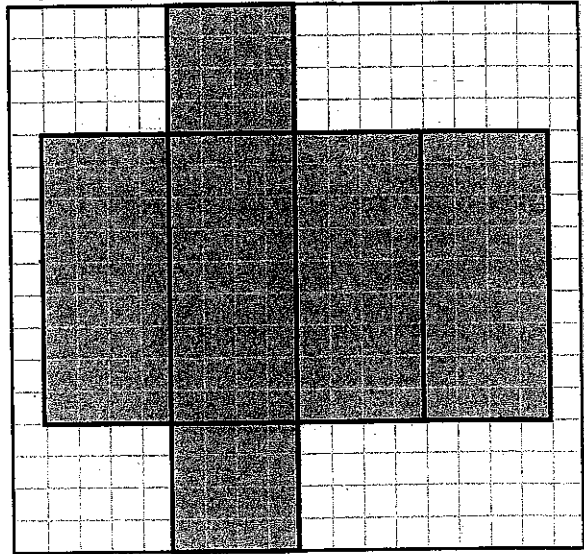
How are the two figures you just built alike?

_____

_____

_____

How are the two figures you just built different?

_____

1. In the first activity, what two-dimensional figure forms the faces of the figure? How many faces are there? How many are congruent?

_____

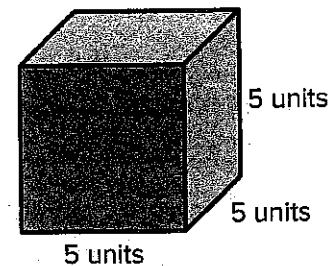**2.** Identify the length, width, and height of the cube you formed in the first activity.

5 units
5 units
5 units

_____

3. What do you notice about the length, width, and height of the cube?

_____

4. Processes &Practices ▷ **Identify Structure** In the second activity, what two-dimensional figures form the faces of the figure? How many faces are there? How many are congruent?
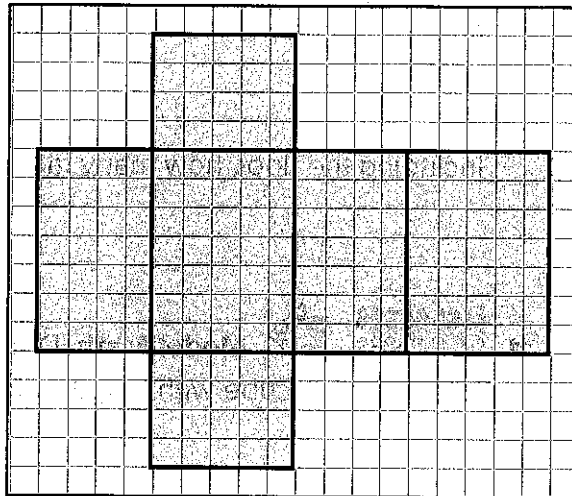
_____

Practice It

For Exercises 5 and 6, refer to the grid at the right.

5. Copy the net onto grid paper. Cut out the net and fold along the lines to form a three-dimensional figure. What figure did you form?

6. What two-dimensional figure forms the faces of the figure?

How many faces are there? .... Describe the congruent faces.

For Exercises 7–9, refer to the grid at the right.

7. Copy the net onto grid paper. Cut out the net and fold along the lines to form a three-dimensional figure. What figure did you form?

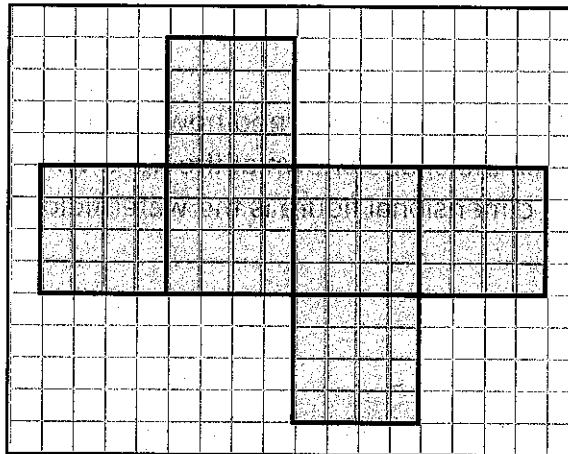8. What two-dimensional figure forms the faces of the figure?
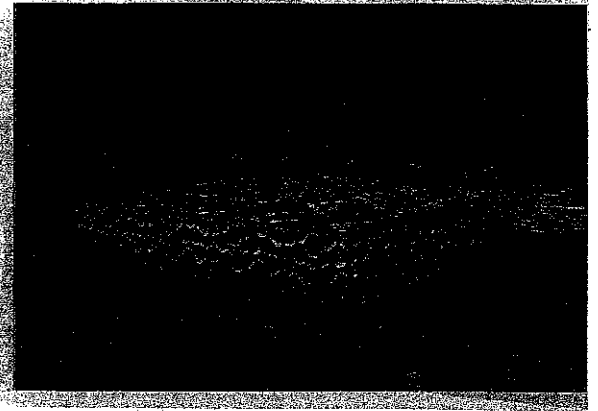
How many faces are there?

Describe the congruent faces.

9. Identify the length, width, and height of the figure you formed.

Apply It

10. The rectangular prism-shaped building shown at the right was used for the 2008 Olympics in Beijing, China. What two-dimensional figures form the sides of the building?

_____

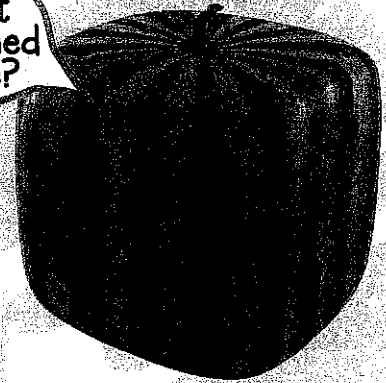Including the floor, how many faces are there?

_____

Processes
11. &Practices **Model Math** Draw two different nets that would fold to form a cube with length, width, and height each 4 units.

12. Farmers have learned how to grow watermelons in the shape shown at the right. What three-dimensional figure is the watermelon?

_____

Write About It

13. How are nets used to build three-dimensional figures?

_____

_____

_____

Homework

Homework Helper

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The net shown was used to form the three-dimensional figure below.
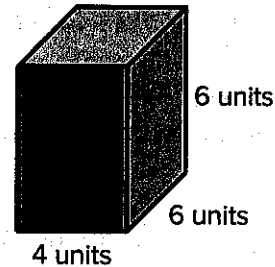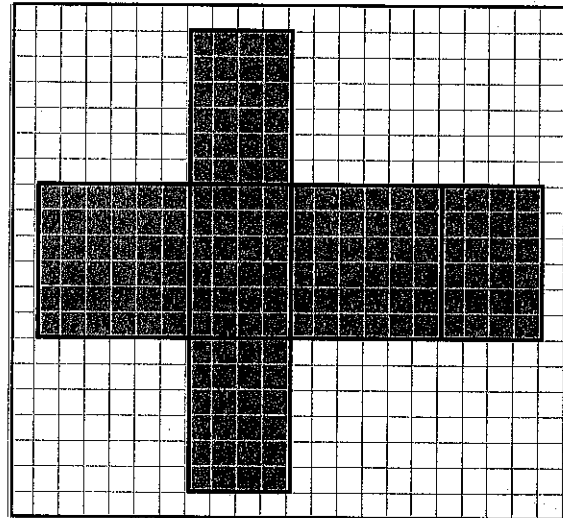
The three-dimensional figure formed from the net is a rectangular prism.

The faces of the rectangular prism are rectangles.

The figure has 6 faces.

The four rectangles are congruent, and the two squares are congruent.

The figure formed has a length of 4 units, a width of 6 units, and a height of 6 units.

6 units

6 units

4 units

Vocabulary Check

Fill in each blank with the correct word(s) to complete each sentence.

1. A three-dimensional figure has _____ , width, and _____ .

2. A net is a two-dimensional _____ of a three-dimensional figure.

3. A cube is a three-dimensional figure with six square faces that are _____ .

Practice

For Exercises 4–6, refer to the grid at the right.

4. What three-dimensional figure is formed using the net shown?

_____

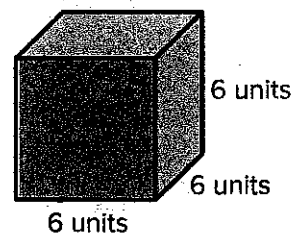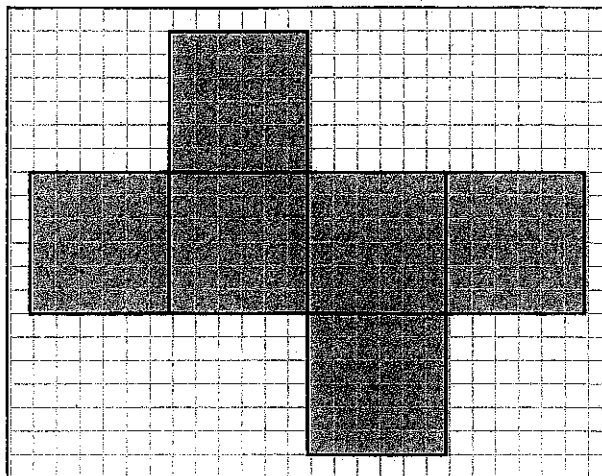5. What two-dimensional figure forms the sides of the figure?

_____

   Describe the congruent faces.

_____

_____

6. Identify the length, width, and height of the figure formed.

_____

6 units

6 units

6 units

Problem Solving

7. Rachel used a rectangular prism-shaped box to ship a package to her friend. What two-dimensional figure forms the faces of the box?

_____

   Including the bottom, how many faces are there?

_____

   Describe the faces.

_____

_____

8. Joseph is forming a three-dimensional figure using a net. The figure has six congruent square faces. What type of figure did he make?

_____

Name ....

Volume is the amount of space inside a three-dimensional figure. Centimeter cubes can help you find the volume of a prism.

Build It

Tools | Watch

Use centimeter cubes to build four different rectangular prisms.
Complete the fourth and fifth columns of the table below for each prism.

Prism	Length (cm)	Width (cm)	Height (cm)	Number of Cubes	Volume (cubic cm)
A	1	2	1		
B	2	2	1		
C	3	2	2		
D	4	2	2		

A prism built from cubes has no gaps or overlaps.

A cube with a side length of one unit is called a **unit cube.**
A unit cube has a volume of 1 cubic unit, or 1 unit^3.
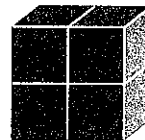A **cubic unit** is a unit for measuring volume.

1 cubic unit   2 cubic units   4 cubic units
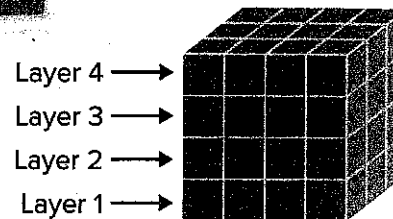
So, if you use 12 centimeter cubes to build a rectangular prism, the prism has a

volume of .... cubic centimeters, or .... cm^3.

Use centimeter cubes to build the rectangular prism shown. Complete the table for each layer.

Layer 4 ——→
Layer 3 ——→
Layer 2 ——→
Layer 1 ——→

Layer	Length (cm)	Width (cm)	Height (cm)	Number of Cubes	Volume (cubic cm)
1					
2					
3					
4					

How many cubes were used to build the prism? _____

What is the volume? _____

Talk About It

1. Describe the relationship between the number of cubes needed to build a rectangular prism and its volume, in cubic units.

_____

_____

_____

2. Describe the pattern in the table between the length, width, height, and volume of each prism.
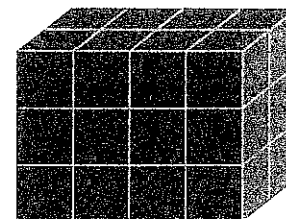
_____

_____

_____

3. Use ℓ for length, w for width, and h for height to write a formula for the volume V of a rectangular prism.
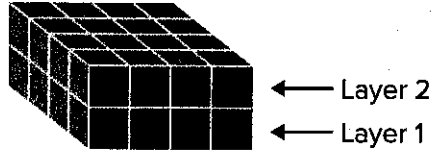
_____

4. Processes &Practices 5 **Use Math Tools** Use your formula to find the volume of the prism at the right in appropriate units. Verify your solution by counting the number of cubes.

Name ....

Practice It

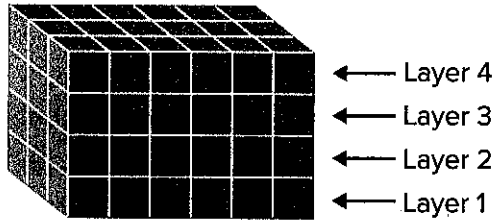**Processes &Practices** ⟶**5** Use Math Tools Use centimeter cubes to build the rectangular prism shown.

⟵ Layer 2
⟵ Layer 1

5. Complete the table below.

Layer	Length (cm)	Width (cm)	Height (cm)	Number of Cubes
1				
2				

6. How many cubes were used to build the prism? ....

What is the volume? .... cm³

Use centimeter cubes to build the rectangular prism shown.

⟵ Layer 4
⟵ Layer 3
⟵ Layer 2
⟵ Layer 1

7. Complete the table below.

Layer	Length (cm)	Width (cm)	Height (cm)	Number of Cubes	Volume (cubic cm)
1					
2					
3					
4					

8. How many cubes were used to build the prism? ... .

What is the volume? .... cm³

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Lesson 8 Hands On: Use Models to Find Volume **951**

Apply It

Use the prism shown for Exercises 9–11.

9. What shape is the base of the prism?
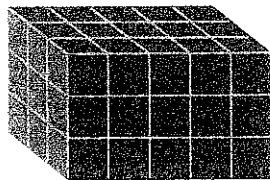
10. **Processes &Practices** [6] **Explain to a Friend** Explain to a friend how to find the area of the base of the prism.

11. Find the volume of the prism above by multiplying the area of the base by the height. Verify your solution by counting the number of centimeter cubes.

12. **Processes &Practices** [1] **Make Sense of Problems** Valerie knows that the volume of a prism is 36 cubic units. She knows that the length of the prism is 4 units and the width is 3 units. What is the height of the prism?

Write About It

13. Describe a way to find the volume of a rectangular prism without using models.

Name ....
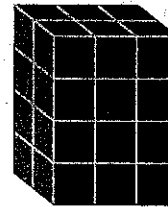
Homework

Homework Helper 🏠 eHelp

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Centimeter cubes were used to build the rectangular prism shown. The table shows the number of cubes that were used to build each layer.

← Layer 4
← Layer 3
← Layer 2
← Layer 1

Layer	Length (cm)	Width (cm)	Height (cm)	Number of Cubes	Volume (cubic cm)
1	3	2	1	6	6
2	3	2	1	6	6
3	3	2	1	6	6
4	3	2	1	6	6

So, 24 cubes were used to build the prism.

The volume of the prism is 24 cubic centimeters, or 24 cm³.

Vocabulary Check 🔤 Vocab

Fill in each blank with the correct term or number to complete each sentence.

1. Volume is the amount of .... inside a three-dimensional figure.

2. A cube with a side length of .... unit is called a unit cube.

3. The volume of a rectangular prism can be found by multiplying the length

by the .... by the height.

For Exercises 4–7, centimeter cubes were used to build the rectangular prism shown.

Layer 5
Layer 4
Layer 3
Layer 2
Layer 1
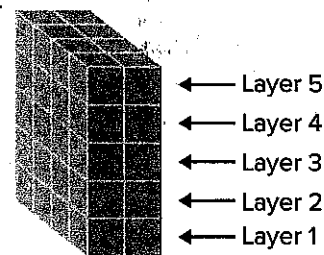
4. How many cubes were needed to build Layer 1?

5. Complete the table below.

Layer	Length (cm)	Width (cm)	Height (cm)	Number of Cubes	Volume (cubic cm)
1					
2					
3					
4					
5					

6. How many cubes were used to build the prism?

7. What is the volume of the prism?

Problem Solving

8. **Processes &Practices** **Make Sense of Problems** Samir knows that the volume of a prism is 40 cubic units. He also knows that the width of the prism is 2 units and the height is 5 units. What is the length of the prism?

9. Centimeter cubes were used to build the prism. What is the volume of the prism?
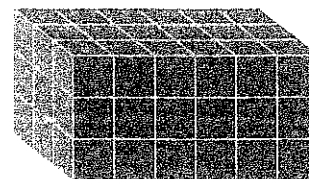
Lesson 9
Volume of Prisms

Volume is the amount of space inside a three-dimensional figure. You can use either formula below to find the volume of a prism.

$V = \ell \times w \times h$ V = volume, ℓ = length, w = width, and h = height

$$B = \ell w$$

$V = B \times h$ V = volume, B = area of the base, and h = height

Common units of volume are cubic inches, cubic feet, cubic yards, cubic centimeters, and cubic meters.

Math in My World   Watch Tutor

Example 1

On his family vacation to the beach, Armando filled a cooler with water and snacks. Find the volume of the cooler.

20 in.

15 in.

30 in.

One Way Use $V = \ell \times w \times h$.

$V = \ell \times w \times h$ Volume formula

$V = \quad\quad \times \quad\quad \times \quad\quad$ $\ell = 30, w = 15, h = 20$

$V = \quad\quad\quad$ Multiply.

Another Way Use $V = B \times h$.

$V = B \times h$ Volume formula

$V = \quad\quad \times \quad\quad$ $B = 30 \times 15, h = 20$
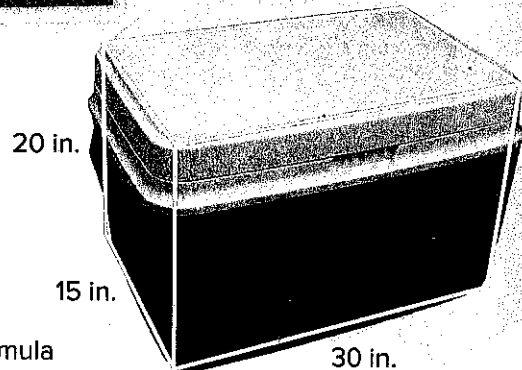
$V = \quad\quad\quad$ Multiply.

The volume of the cooler is .... cubic inches.

Remember that the Associative Property of Multiplication tells you that the way in which factors are grouped does not change the product. You can group the factors to make the multiplication easier.
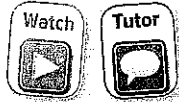
Example 2

Watch Tutor

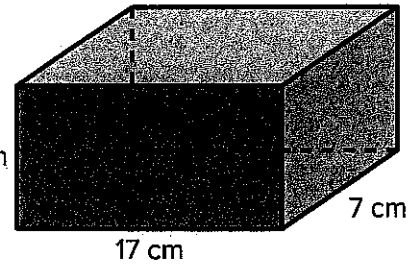**Find the volume of the prism.**

$V = \ell \times w \times h$ Volume formula

$V = 17 \times 7 \times 9$

$V = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$ Associative Property

$V = \underline{\hspace{1cm}} \times \underline{\hspace{1cm}}$ Multiply.

$V = \underline{\hspace{1cm}}$ Multiply.

9 cm   7 cm   17 cm

The volume of the prism is $\underline{\hspace{1cm}}$ cm³.

Guided Practice

Find the volume of each prism.

1.

9 mm
7 mm
11 mm

$V = \ell \times w \times h$

$V = \underline{\hspace{1cm}} \times \underline{\hspace{1cm}} \times \underline{\hspace{1cm}}$

$V = \underline{\hspace{1cm}}$ mm³

2.

12 ft
4 ft
6 ft
$B = 24$ ft²

$V = B \times h$

$V = \underline{\hspace{1cm}} \times \underline{\hspace{1cm}}$
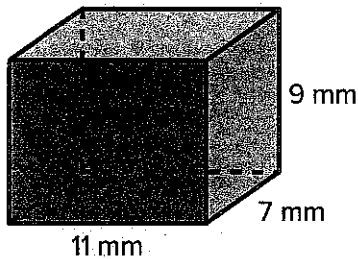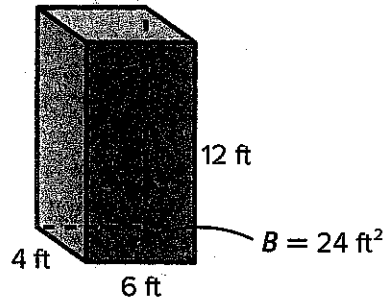
$V = \underline{\hspace{1cm}}$ ft³

Talk MATH

If you know the area of the base of a rectangular prism and the prism's height, which formula would you use? Why?

Name

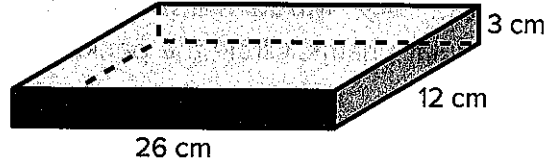**Processes &Practices** ➋ Use Symbols Find the volume of each prism. Use the formula $V = \ell \times w \times h$ or $V = B \times h$.
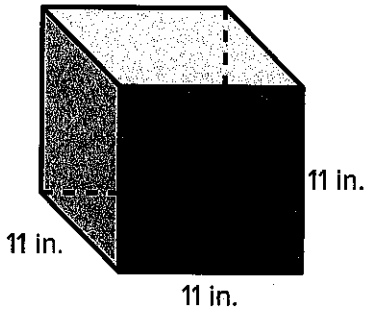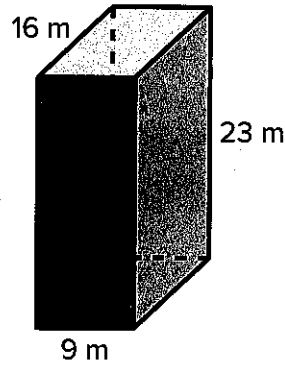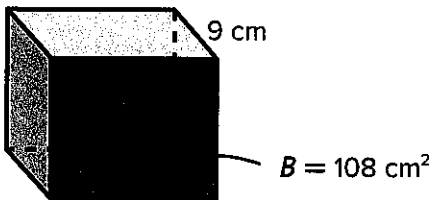
3.

3 in.
4 in.
2 in.

$V =$ _____

4.

3 cm
12 cm
26 cm

$V =$ _____

5.

11 in.
11 in.
11 in.

$V =$ _____

6. 16 m

23 m

9 m

$V =$ _____

7. 9 cm

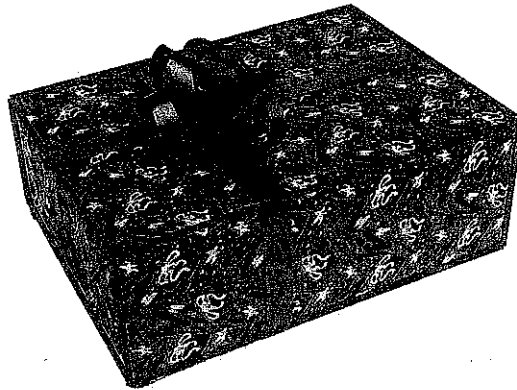$B = 108\ cm^2$

$V =$ _____

8.

11 ft

$B = 90\ ft^2$
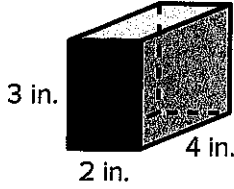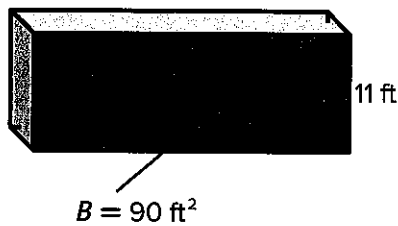
$V =$ _____

Problem Solving

9. Find the volume of the Frog Queen building in Graz, Austria. The building is 18 meters long, 17 meters tall, and 18 meters wide.

10. **Processes &Practices** **4** **Model Math** Two packages are in the shape of rectangular prisms. Circle the package that has the smaller volume.
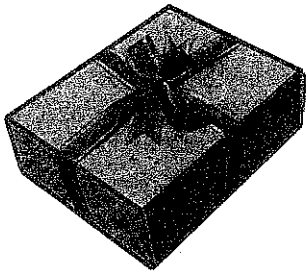
Brain Builders

11. **Processes &Practices** **2** **Use Number Sense** Explain how the Associative Property can be used to mentally find the volume of the prism shown. Then state the volume.

20 cm

5 cm

18 cm
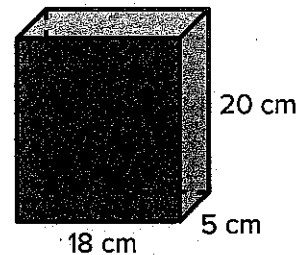
12. **Building on the Essential Question** How do I find the volume of rectangular prisms?

Name

Homework Helper [eHelp]

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Find the volume of the prism.

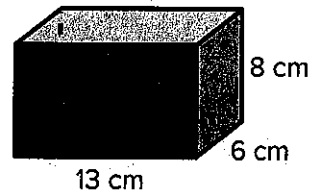$V = \ell \times w \times h$ Volume formula

$V = 13 \times 6 \times 8$ $\ell = 13, w = 6, h = 8$

$V = 624$ Multiply.
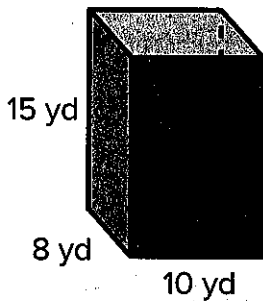
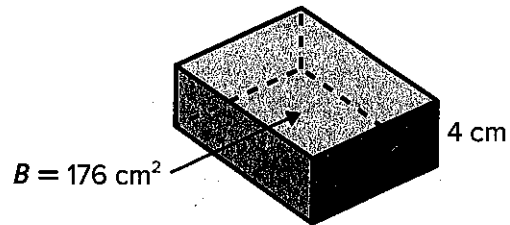The volume of the prism is 624 cm³.

8 cm
6 cm
13 cm

Practice

Find the volume of each prism.

1.

15 yd
8 yd
10 yd

$V = $ _____

2.

4 cm
$B = 176$ cm²

$V = $ _____

Vocabulary Check [Vocab]

Fill in the blank with the correct term or number to complete the sentence.

3. Volume is measured in _____ units.

Problem Solving

4. The Donaldsons' swimming pool measures 15 meters long, 8 meters wide, and 3 meters deep. How many cubic meters of water will the pool hold?

5. The hotel that the Hutching family is staying at on vacation is shaped like a rectangular prism. It is 234 feet long, 158 feet wide, and 37 feet tall. What is the volume of the hotel?

Brain Builders

6. Jena has a small jewelry box in the shape of a cube with side lengths of 2 inches. How much greater is the volume of her large jewelry box with dimensions 7 inches, 5 inches, and 4 inches?

7. **Processes &Practices** **Model Math** Describe the dimensions of two different prisms that each have a volume of 2,400 cubic centimeters. Then draw each prism.

Is it possible for the prisms to have two of the same dimensions?

8. **Test Practice** What is the volume of the prism formed by the luggage bag?

Ⓐ 6,000 in³

Ⓑ 6,600 in³

Ⓒ 7,200 in³

Ⓓ 7,400 in³

22 in.

30 in.

10 in.
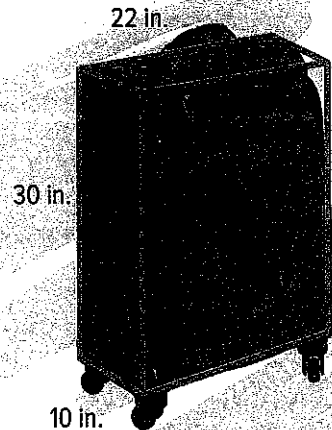
Name ....
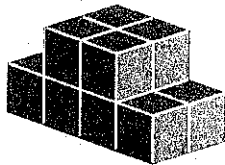

Lesson 10
Hands On
Build Composite Figures

ESSENTIAL QUESTION
How does geometry help
me solve problems in
everyday life?

A **composite figure** is made up of two or more
three-dimensional figures.

Build It [Tools] [Tutor]

A composite figure is shown below. Use
centimeter cubes to build the figure.

1 Count the number of cubes needed to make the base layer.

How many cubes did you use? _____

☐

2 Count the number of cubes needed to make the top layer.

How many cubes did you use? _____ + ☐

────────────

3 Add the number of cubes for the base and the top. ──────→ ☐

Talk About It

1. How many cubes did it take to build the figure? ....

2. What is the volume of the composite figure?

cubic centimeters

Separate the composite figure into two rectangular prisms. Then find the volume of each prism.

1. Find the volume of the top prism.

$V = \ell \times w \times h$

$V = \underline{\hspace{1.2cm}} \times \underline{\hspace{1.2cm}} \times \underline{\hspace{1.2cm}}$

$V = \underline{\hspace{1.5cm}}$

The volume of the top prism is _____ cubic centimeters.

2. Find the volume of the bottom prism.

$V = \ell \times w \times h$

$V = \underline{\hspace{1.2cm}} \times \underline{\hspace{1.2cm}} \times \underline{\hspace{1.2cm}}$

$V = \underline{\hspace{1.5cm}}$
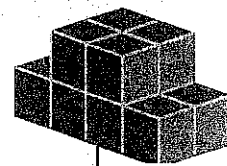
The volume of the bottom prism is _____ cubic centimeters.

3. Add the volumes to find the volume of the composite figure.

$\underline{\hspace{1.5cm}} + \underline{\hspace{1.5cm}} = \underline{\hspace{1.5cm}}$

So, the volume of the composite figure is _____ cubic centimeters.

Talk About It

3. Explain how you can use addition to find the volume of a composite figure.

_____

_____

4. **Processes &Practices** **Make Sense of Problems** Explain how you would find the volume of the composite figure shown.
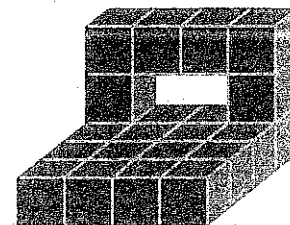
_____

_____

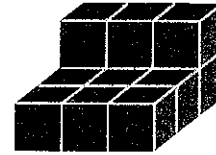5. What is the volume of the figure in Exercise 4?

_____ cubic centimeters

Name ....

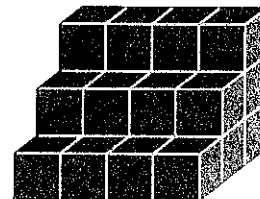**Use the model at the right to build the composite figure using centimeter cubes.**

6. Separate the figure into prisms. Make a drawing of each prism used to build the composite figure.

7. How many cubes did it take to build the figure?

8. What is the volume of this figure?

.... cubic centimeters

Use the model at the right to build the composite figure using centimeter cubes.

9. Separate the figure into prisms. Make a drawing of each prism used to build the composite figure.

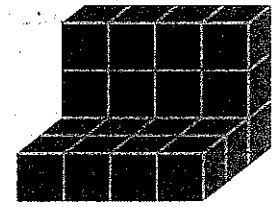**10.** How many cubes did it take to build the figure?

11. What is the volume of this figure?

.. cubic centimeters

Apply It

Tanela arranged centimeter cubes into the composite figure shown. Use the composite figure for Exercises 12 and 13.

12. **Processes &Practices** 4 **Model Math** Separate the figure into prisms. Make a drawing of each prism used to build the composite figure.

13. What is the volume of the composite figure? Check your answer by building a model and counting the number of cubes. _____ cubic centimeters

14. Circle the composite figure that has a volume of 24 cubic centimeters.
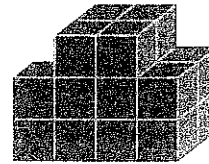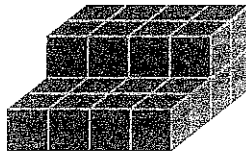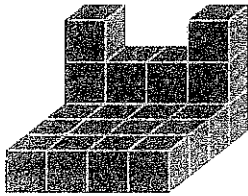
15. **Processes &Practices** 1 **Make Sense of Problems** Explain how to use the formula of a rectangular prism to find the volume of a composite figure that is composed of rectangular prisms.

Write About It

16. How can you use models to find the volume of composite figures?

Homework

Homework Helper eHelp

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A composite figure is shown at the right. Centimeter cubes were used to build the figure. Find the volume.
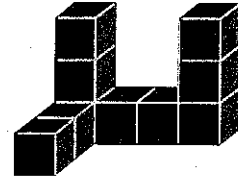
1 Six cubes were used to make the base layer.

2 Four cubes were used to make the two top layers.

3 Add the number of cubes for the base and the top.
6 + 4 = 10

So, a total of 10 cubes were used to build the figure.
The volume is 10 cubic centimeters.

Practice

Refer to the composite figure at the right.

1. How many cubes are needed to build the bottom layer?

_____
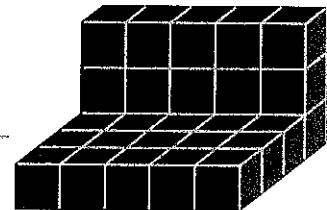
2. How many cubes are needed to build the top two layers?

_____

3. Use addition to add the bottom and top layers.

_____

4. What is the volume of the composite figure?
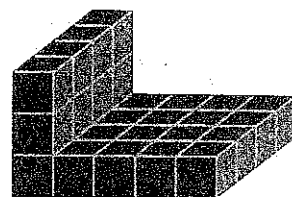
_____ cubic centimeters

Problem Solving

Jared built the composite figure at the right using centimeter cubes.

5. Separate the figure into prisms. Make a drawing of each prism used to build the composite figure.

6. How many cubes did it take Jared to build the figure?

_____

7. What is the volume of this figure? _____ cubic centimeters

8. **Processes &Practices** 3 **Find the Error** Gabriele built a composite figure using 12 cubes for the bottom layer and 10 cubes for the top layer. She said that the volume of the composite figure was 12 × 10, or 120 cubic centimeters. Find and correct her error.

_____

_____

Vocabulary Check

Fill in the blank with the correct term or number to complete the sentence.

9. A composite figure is made up of two or more

_____ figures.

10. The composite figure was built using centimeter cubes. What is the volume of the composite figure shown?

$V =$ _____ cubic centimeters