

STUDY LINK
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The World's Largest Foods



Food	Weight	Date	Location
Apple	3 pounds 11 ounces	October 1997	Linton, England
Bagel	714 pounds	July 1998	Mattoon, Illinois
Bowl of pasta	7,355 pounds	February 2004	Hartford, New York
Chocolate bar	5,026 pounds	March 2000	Turin, Italy
Garlic	2 pounds 10 ounces	1985	Eureka, California
Gingerbread man	372.13 pounds	November 2003	Vancouver, Canada
Hamburger	6,040 pounds	September 1999	Sac, Montana
Ice cream sundae	22.59 tons	July 1988	Alberta, Canada
Pumpkin	1,337 pounds	October 2002	Topsfield, Massachusetts
Taco	1,654 pounds	March 2003	Mexicali, Mexico

Source: www.guinnessworldrecords.com

Use the information in the table to solve the following problems.

- The largest apple weighed _____ ounces.
- A typical hamburger weighs about 4 ounces. The largest hamburger weighed _____ ounces.
- Which 2 foods together weigh about a ton? _____ and _____
- A kilogram is a little more than 2 pounds. Which 4 foods each weigh more than 1,000 kilograms?

- On the back of this page, use data from the table to write and solve your own problem.

Practice

6. $-\$75 + \$25 =$ _____

7. _____ $= -\$45 + (-\$30)$

8. _____ $= -\$60 + \60

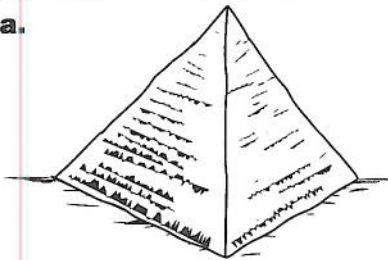
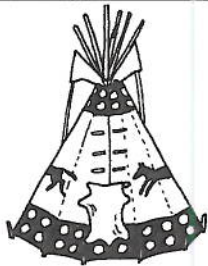



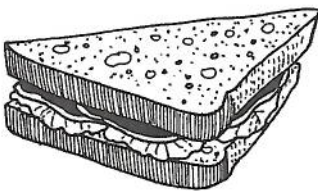
9. $\$55 + (-\$25) =$ _____

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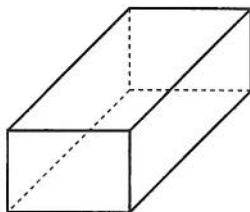
Solids



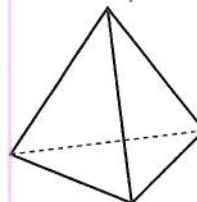
1. The pictures below show objects that are shaped approximately like geometric solids. Identify each object as one of the following: **cylinder**, **cone**, **sphere**, **triangular prism**, **square pyramid**, or **rectangular prism**.

<p>a.</p>  <p>Type: _____ _____</p>	<p>b.</p>  <p>Type: _____ _____</p>	<p>c.</p>  <p>Type: _____ _____</p>
<p>d.</p>  <p>Type: _____ _____</p>	<p>e.</p>  <p>Type: _____ _____</p>	<p>f.</p>  <p>Type: _____ _____</p>

2. Mark Xs on the vertices of the rectangular prism.



3. How many edges does the tetrahedron have? _____ edges



Practice

4. Circle the numbers that are multiples of 7. 132 7,000 63 560 834 91

5. Circle the numbers that are multiples of 12. 24 120 38 600 100 75

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Geometry Riddles



Answer the following riddles.

- 1.** I am a geometric solid.
I have two surfaces.
One of my surfaces is formed by a circle.
The other surface is curved.
What am I? _____

- 2.** I am a geometric solid.
I have one square base.
I have four triangular faces.
Some Egyptian pharaohs were buried
in tombs shaped like me.
What am I? _____

- 3.** I am a polyhedron.
I am a prism.
My two bases are hexagons.
My other faces are rectangles.
What am I? _____

- 4.** I am a polyhedron.
All of my faces are the same.
All of my faces are equilateral triangles.
I have eight faces.
What am I? _____

Try This

- 5.** Write your own geometry riddle.

Practice

- 6.** $-\$20 + \$30 =$ _____
- 7.** _____ $= -\$35 + (-\$35)$
- 8.** _____ $= \$10 + (-\$25)$
- 9.** $\$0 + (-\$100) =$ _____
- 10.** $-\$15 + (-\$40) =$ _____
- 11.** _____ $= -\$300 + (-\$100)$

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Volume



Cut out the pattern below and tape it together to form an open box.

1. Find and record two items in your home that have volumes equal to about $\frac{1}{2}$ of the volume of the open box.

2. Find and record two items in your home that have about the same volume as the open box.

3. Find and record two items in your home that have volumes equal to about 2 times the volume of the open box.

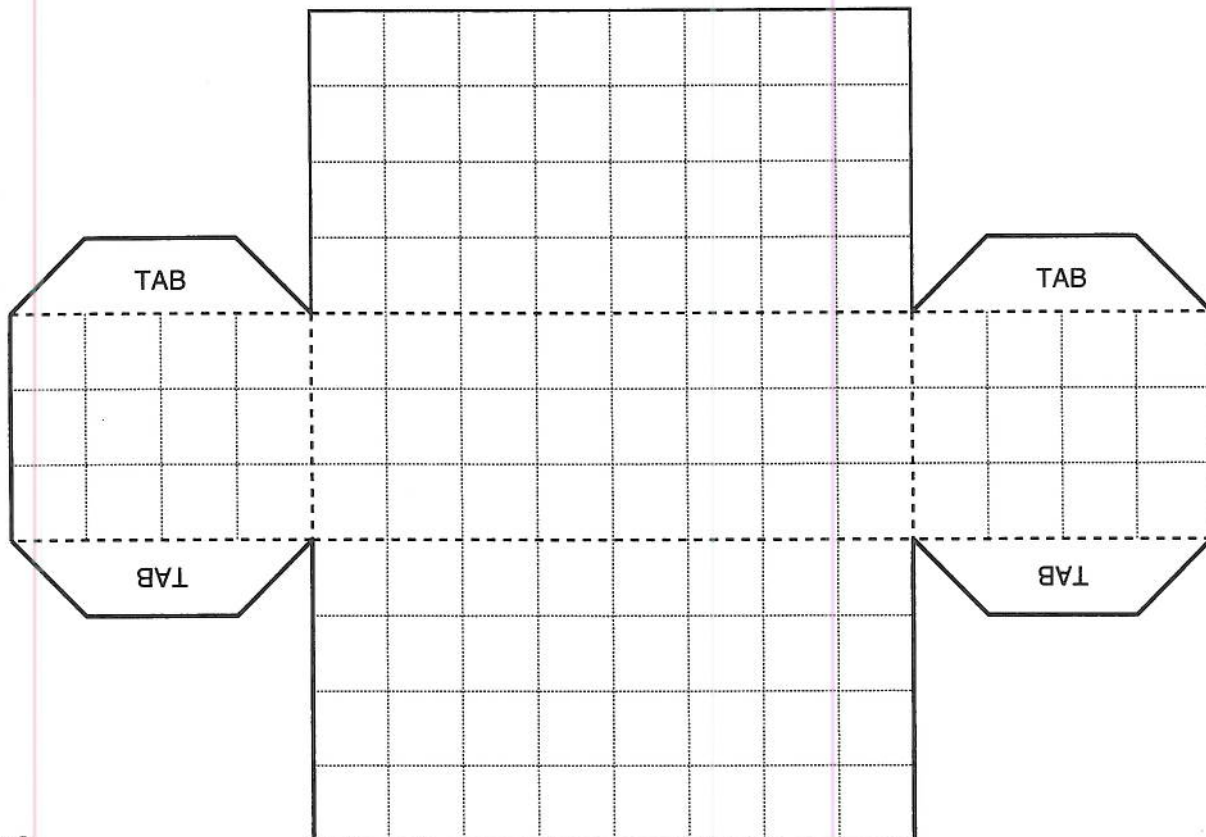
Practice

4. $96 \div 4 =$ _____

5. $86 / 5 =$ _____

6. $\frac{232}{8} =$ _____

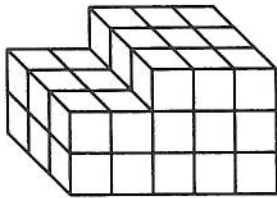
7. $4 \overline{)358} =$ _____





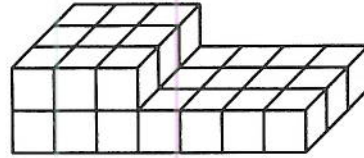
1. Find the volume of each stack of centimeter cubes.

a.



Volume = _____ cm^3

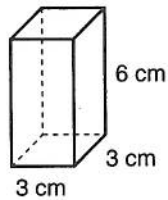
b.



Volume = _____ cm^3

2. Calculate the volume of each rectangular prism.

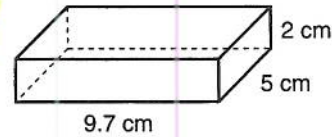
a.



Number model: _____

Volume = _____ cm^3

b.

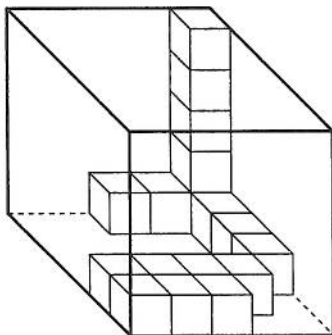


Number model: _____

Volume = _____ cm^3

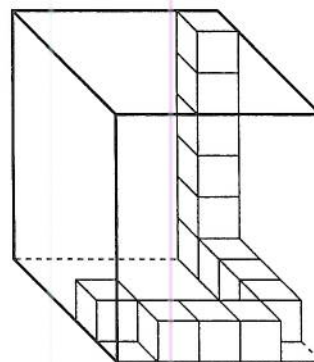
3. What is the total number of cubes needed to completely fill each box?

a.



_____ cubes

b.



_____ cubes

Practice

4. $-65 + 16 =$ _____

5. _____ $= -21 + (-19)$

6. _____ $= 84 + (-55)$

7. $-16 + 89 =$ _____

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Positive and Negative Numbers



Add or subtract.

1. $-40 + (-70) =$ _____

2. $12 - 20 =$ _____

3. _____ $= -14 - (-6)$

4. _____ $= 10 - (-5)$

5. $15 + (-1) =$ _____

6. $-12 - 7 =$ _____

7. _____ $= 60 + (-130)$

8. _____ $= -2 - (-20)$

9. Write two subtraction problems with an answer of -8 .

_____ $-$ _____ $= -8$ _____ $-$ _____ $= -8$

10. Write two addition problems with an answer of -30 .

_____ $+$ _____ $= -30$ _____ $+$ _____ $= -30$

Write $<$ or $>$ to make a true number sentence.

11. $0 - 7$ _____ -6

12. -11 _____ $-13 - (-5)$

13. $7 + (-2)$ _____ -8

14. $18 + (-8)$ _____ -18

15. $26 - (-14)$ _____ $27 + (-16)$

16. $9 - (-11)$ _____ $0 + (-20)$

List the numbers in order from least to greatest.

17. $\frac{30}{6}, 8, -14, -0.7, 5.6, -2.5$

 least greatest

18. $0.02, -\frac{3}{5}, -7, 4, 0.46, -\frac{24}{6}$

 least greatest
Practice

19. _____ $= 34 * 78$

20. _____ $= 46 * 959$

21. $632 \div 4 =$ _____

22. $746 / 7 =$ _____

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Capacity



Find at least one container that holds each of the amounts listed below.
 Describe each container and record all the capacity measurements on the label.

1. Less than 1 Pint

Container	Capacity Measurements on Label
<i>bottle of hot chili sesame oil</i>	<i>5 fl oz, 148 mL</i>

2. 1 Pint

Container	Capacity Measurements on Label
<i>bottle of cooking oil</i>	<i>16 fl oz, 473 mL</i>

3. 1 Quart

Container	Capacity Measurements on Label

4. More than 1 Quart

Container	Capacity Measurements on Label

Complete.

5. 2 quarts = _____ pints

6. 3 gallons = _____ cups

7. _____ pints = 4 cups

8. _____ quarts = 12 cups

9. 6 pints = _____ quarts

10. _____ quarts = $2\frac{1}{2}$ gallons

Practice

11. $-3 + 7 =$ _____

12. _____ = $3 + (-7)$

13. _____ = $40 + (-80)$

14. $-60 + (-60) =$ _____