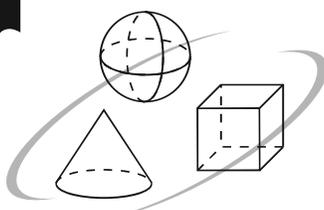


Summer Solutions.



Minutes a Day—Mastery for a Lifetime!

Level 4

Mathematics

3rd Edition

Help Pages

Help Pages

Vocabulary

Arithmetic Operations			
sum — the result or answer to an addition problem. Example: The sum of 5 and 2 is 7.			
difference — the result or answer to a subtraction problem. Example: The difference of 5 and 1 is 4.			
product — the result or answer to a multiplication problem. Example: The product of 5 and 3 is 15.			
quotient — the result or answer to a division problem. Example: The quotient of 8 and 2 is 4.			
Fractions			
fraction — a part of a whole. Example:  This box has 4 parts. 1 part is shaded. $\frac{1}{4}$ is shaded.			
numerator — the top number of a fraction. Example: $\frac{1}{4}$; The numerator is 1.			
denominator — the bottom number of a fraction. Example: $\frac{1}{4}$; The denominator is 4.			
improper fraction — a fraction in which the numerator is larger than the denominator. Example: $\frac{9}{4}$			
mixed number — the sum of a whole number and a fraction. Example: $5\frac{1}{4}$			
Geometry			
acute angle — an angle measuring less than 90° .			
area — the size of a surface. Area is always given in square units (feet ² , meters ² ,...).			
circumference — the distance around the outside of a circle.			
congruent — figures with the same shape and the same size.			
diameter — the widest distance across a circle. The diameter always passes through the center.			
line of symmetry — a line along which a figure can be folded so that the two halves match exactly.			
obtuse angle — an angle measuring more than 90° .			
perimeter — the distance around the outside of a polygon.			
radius — the distance from any point on the circle to the center. The radius is half of the diameter.			
right angle — an angle measuring exactly 90° .			
similar — figures having the same shape, but different sizes.			
straight angle — an angle measuring exactly 180° .			
volume — the measure of space inside a solid figure. Volume is expressed in cubic units (m ³ , ft. ³ ,...).			
Geometry — Polygons			
Number of Sides	Name	Number of Sides	Name
3 	triangle	6 	hexagon
4 	quadrilateral	8 	octagon
5 	pentagon		

Help Pages

Vocabulary

Measurement — Relationships	
Volume	Distance
3 teaspoons in a tablespoon	36 inches in a yard
2 cups in a pint	1,760 yards in a mile
2 pints in a quart	5,280 feet in a mile
4 quarts in a gallon	100 centimeters in a meter
Weight	1,000 millimeters in a meter
16 ounces in a pound	Temperature
2,000 pounds in a ton	0° Celsius - freezing point
Time	100° Celsius - boiling point
10 years in a decade	32° Fahrenheit - freezing point
100 years in a century	212° Fahrenheit - boiling point
Statistics	
<p>mean — the average of a group of numbers. The mean is found by finding the sum of a group of numbers and then dividing the sum by the number of members in the group.</p> <p>Example: The average of 12, 18, 26, 17 and 22 is 19. $\frac{12 + 18 + 26 + 17 + 22}{5} = \frac{95}{5} = 19$</p>	
<p>median — the middle value in a group of numbers. The median is found by listing the numbers in order from least to greatest and finding the one that is in the middle of the list. If there is an even number of members in the group, the median is the average of the two middle numbers.</p> <p>Example: The median of 14, 17, 24, 11 and 26 is 17. 11, 14, (17), 24, 26</p> <p style="margin-left: 40px;">The median of 77, 93, 85, 95, 70 and 81 is 83. 70, 77, (81, 85), 93, 95 $\frac{81 + 85}{2} = 83$</p>	
<p>mode — the number that occurs most often in a group of numbers. The mode is found by counting how many times each number occurs in the list. The number that occurs more than any other is the mode. Some groups of numbers have more than one mode.</p> <p>Example: The mode of 77, (93), 85, (93), 77, 81, (93), and 71 is 93. (93 occurs more than the others.)</p>	
<p>range — the difference between the largest number and the smallest number in a set of data. To find the range, subtract the smallest number from the largest number.</p> <p>Example: The range of 77, 93, 85, 95, 70 and 81 is 25. (95 - 70 = 25)</p>	

Help Pages

Place Value

Whole Numbers										
	8,	9	6	3,	2	7	1,	4	0	5
	Billions	Hundred Millions	Ten Millions	Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones

The number above is read: eight billion, nine hundred sixty-three million, two hundred seventy-one thousand, four hundred five.

Decimals										
	1	7	8	•	6	4	0	5	9	2
	Hundreds	Tens	Ones	Decimal Point →	Tenths	Hundredths	Thousandths	Ten-thousandths	Hundred-thousandths	Millionths

The number above is read: one hundred seventy-eight and six hundred forty thousand, five hundred ninety-two millionths.

Solved Examples

Whole Numbers	
<p>Rounding numbers means estimating them. Focus on a particular place value, and decide if that digit is closer to the next highest number (round up) or to the next lower number (keep the same). It might be helpful to look at the place-value chart above.</p> <p>Example: Round 347 to the tens place.</p> <div style="display: flex; align-items: center;"> <div style="margin-right: 20px;"> $\begin{array}{r} 347 \\ \uparrow \\ \text{rounding place} \\ 34\cancel{7} \\ \downarrow \\ 350 \end{array}$ <p>Since 7 is greater than 5, the rounding place is <u>increased by 1</u>.</p> </div> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; width: 300px;"> <ol style="list-style-type: none"> 1. Identify the place to round to. What number is in that place? (4) 2. Look at the digit to its right. (7) 3. If this digit is 5 or greater, increase the number in the rounding place by 1 (round up). If the digit is less than 5, keep the number in the rounding place the same. 4. Replace all digits to the right of the rounding place with zeroes. </div> </div>	

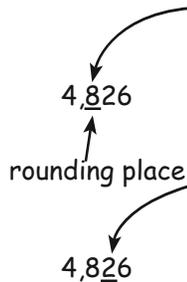
Help Pages

Solved Examples

Whole Numbers (continued)

Here is another example of rounding whole numbers.

Example: Round 4,826 to the hundreds place.



Since 2 is less than 5, the rounding place stays the same.

4,800

1. Identify the place to round to. What number is in that place? (8)
2. Look at the digit to its right.
3. If this digit is 5 or greater, increase the number in the rounding place by 1 (round up). If the digit is less than 5, keep the number in the rounding place the same.
4. Replace all digits to the right of the rounding place with zeroes.

Round 27,934 to the thousands place.

27,934 → 7 is in the rounding place.

27,934 → 9 is greater than 5, so the rounding place will go up by 1.

28,000 → The digits to the right of the rounding place are changed to zeroes.

When adding or subtracting whole numbers, first the numbers must be lined-up on the right. Starting with the ones place, add (or subtract) the numbers; when adding, if the answer has 2 digits, write the ones digit and regroup the tens digit (for subtraction, it may also be necessary to regroup first). Then, add (or subtract) the numbers in the tens place. Continue with the hundreds, etc.

Look at these examples of addition.

Examples: Find the sum of 314 and 12.

$$\begin{array}{r} 314 \\ + 12 \\ \hline 326 \end{array}$$

1. Line up the numbers on the right.
2. Beginning with the ones place, add. Regroup if necessary.
3. Repeat with the tens place.
4. Continue this process with the hundreds place, etc.

Add 6,478 and 1,843.

$$\begin{array}{r} \\ 6,478 \\ +1,843 \\ \hline 8,321 \end{array}$$

Help Pages

Solved Examples

Whole Numbers (continued)

Use the following examples of **subtraction** to help.

Examples: Subtract 37 from 93.

$$\begin{array}{r} \overset{8}{\cancel{9}} \overset{13}{\cancel{3}} \\ - 37 \\ \hline 56 \end{array}$$

1. Begin with the ones place. Check to see if regrouping is needed. Since 7 is larger than 3, regroup to 8 tens and 13 ones.
2. Now look at the tens place. Since 3 is less than 8, there is no need to regroup.
3. Subtract each place value beginning with the ones.

Find the difference of 4,125 and 2,033.

$$\begin{array}{r} \overset{0}{\cancel{4}} \overset{12}{\cancel{1}} \overset{2}{\cancel{2}} \overset{5}{\cancel{5}} \\ - 2,033 \\ \hline 2,092 \end{array}$$

1. Begin with the ones place. Check to see if regrouping is needed. Since 3 is less than 5, there is no need to regroup.
2. Now look at the tens place. Check to see if regrouping is needed. Since 3 is larger than 2, regroup to 0 hundreds and 12 tens.
3. Now look at the hundreds place. Check to see if regrouping is needed. Since 0 can be taken from 0, do not regroup.
4. Now look at the thousands place. Check to see if regrouping is needed. Since 2 is smaller than 4, do not regroup.
4. Subtract each place value beginning with the ones.

When **subtracting from zero**, regrouping is always needed. Use the examples to help.

Examples: Subtract 2,361 from 5,000.

$$\begin{array}{r} \overset{4}{\cancel{5}} \overset{10}{\cancel{0}} \overset{10}{\cancel{0}} \overset{10}{\cancel{0}} \\ - 2,361 \\ \hline 2,639 \end{array}$$

1. Begin with the ones place. Since 1 is larger than 0, regrouping is needed. Continue to the thousands place, and then begin regrouping.
2. Regroup the thousands place to 4 thousands and 10 hundreds.
3. Next regroup the hundreds place to 9 hundreds and 10 tens.
4. Then, regroup the tens place to 9 tens and 10 ones.
5. Finally, subtract each place value beginning with the ones.

Find the difference between 600 and 238.

$$\begin{array}{r} \overset{5}{\cancel{6}} \overset{10}{\cancel{0}} \overset{10}{\cancel{0}} \\ - 238 \\ \hline 362 \end{array}$$

Help Pages

Solved Examples

Whole Numbers (continued)

When multiplying multi-digit whole numbers, it is important to know multiplication facts. Follow the steps and the examples below.

Examples: Multiply 23 by 5.

$$\begin{array}{r} 1 \\ 23 \\ \times 5 \\ \hline 115 \end{array}$$

$3 \times 5 = 15$ ones or 1 ten and 5 ones
 $2 \times 5 = 10$ tens + 1 ten (regrouped) or 11 tens.

1. Line up the numbers on the right.
2. Multiply the digits in the ones place. Regroup if necessary.
3. Multiply the digits in the tens place. Add any regrouped tens.
4. Repeat step 3 for the hundreds place, etc.

Find the product of 3,514 and 3.

$$\begin{array}{r} 1 \quad 1 \\ 3,514 \\ \times 3 \\ \hline 10,542 \end{array}$$

$4 \times 3 = 12$ ones or 1 ten and 2 ones.
 $1 \times 3 = 3$ tens + 1 ten (regrouped) or 4 tens.
 $5 \times 3 = 15$ hundreds or 1 thousand and 5 hundreds.
 $3 \times 3 = 9$ thousands + 1 thousand (regrouped) or 10 thousands.

The process for multiplying by two-digit numbers is a lot like the process above. There are a few differences. Follow the steps and examples carefully.

Examples: Multiply 32 by 24.

Find the product of 45 and 38.

$$\begin{array}{r} 32 \\ \times 24 \\ \hline 128 \\ 0 \\ \hline 32 \\ \times 24 \\ \hline 128 \\ + 640 \\ \hline 768 \end{array}$$

$$\begin{array}{r} 4 \\ 45 \\ \times 38 \\ \hline 360 \\ 0 \\ \hline 14 \\ 45 \\ \times 38 \\ \hline 360 \\ + 1350 \\ \hline 1710 \end{array}$$

1. Multiply each digit in the top number by the ones digit in the bottom number. Regroup if necessary. (on left, $4 \times 2 = 8$; $4 \times 3 = 12$)
2. When working with the tens digit, the answer will be written below the answer from above. Before multiplying by the tens digit, put a zero in the ones place.
3. Multiply each digit in the top number by the tens digit in the bottom number. Regroup if necessary. (on left, $2 \times 2 = 4$; $2 \times 3 = 6$)
4. Add the products.

Help Pages

Solved Examples

Whole Numbers (continued)

The next group of examples involves **division using one-digit divisors with remainders**. This process, called "long division," helps when dividing numbers with multiple digits.

Example: Divide 379 by 4.

$$\begin{array}{r} 9 \\ 4 \overline{)379} \\ \underline{-36} \downarrow \\ 19 \end{array}$$

$$\begin{array}{r} 94 \\ 4 \overline{)379} \\ \underline{-36} \downarrow \\ 19 \\ \underline{-16} \\ 3 \end{array}$$

94 R 3

1. In this problem, 379 is the dividend and 4 is the divisor. Look at each digit in the dividend, starting on the left.
2. Does the divisor (4) go into the left-most digit in the dividend (3)? It doesn't, so keep going to the right.
3. Does the divisor (4) go into the two left-most digits (37)? It does. How many times does 4 go into 37? (9 times)
4. Multiply 4×9 (product = 36).
5. Subtract 36 from 37 (difference = 1). Bring down the 9 ones from the first line. This leaves 19 left from the original 379.
6. Does the divisor (4) go into 19? It does. How many times does 4 go into 19? (4 times)
7. Multiply 4×4 (product = 16).
8. Subtract 16 from 19 (result is 3). There's nothing left to bring down from above. Once this number is smaller than the divisor, it is called the remainder, and the problem is finished. The remainder is 3.
9. Write the answer with the remainder. (94 R 3)

Example: What is 556 divided by 6?

$$\begin{array}{r} 9 \\ 6 \overline{)556} \\ \underline{-54} \downarrow \\ 16 \end{array}$$

$$\begin{array}{r} 92 \\ 6 \overline{)556} \\ \underline{-54} \downarrow \\ 16 \\ \underline{-12} \\ 4 \end{array}$$

92 R 4

1. Does the divisor (6) go into the left-most digit in the dividend (5). It doesn't, so keep going to the right.
2. Does the divisor (6) go into the two left-most digits (55)? It does. How many times does 6 go into 55? (9 times)
3. Multiply 6×9 (product is 54).
4. Subtract 54 from 55. (1) Bring down the 6 ones from the first line. This leaves 16 left from the original 556.
5. Does the divisor (6) go into 16? It does. How many times does 6 go into 16? (2)
6. Multiply 6×2 (product is 12).
7. Subtract 12 from 16 (result is 4). There's nothing left to bring down from above. Once this number is smaller than the divisor, it is called the remainder, and the problem is finished. The remainder is 4.
8. Write the answer with the remainder. (92 R 4)

Remember: The remainder can NEVER be larger than the divisor!

Help Pages

Solved Examples

Whole Numbers (continued)

In some division problems there is a **zero in the dividend**. This process is similar to the one used on the previous page.

Example: Divide 9,603 by 4.

$$\begin{array}{r}
 2,400 \\
 4 \overline{)9,603} \\
 \underline{-8} \downarrow \downarrow \downarrow \\
 16 \downarrow \downarrow \\
 \underline{-16} \downarrow \downarrow \\
 00 \downarrow \\
 \underline{-0} \downarrow \\
 3
 \end{array}$$

2400 R 3

1. In this problem, 9,603 is the dividend, and 4 is the divisor. Notice that there is a zero in the dividend (9,603).
2. Does the divisor (4) go into the left-most digit in the dividend (9)? It does. How many times does 4 go into 9? (2 times)
3. Multiply 4×2 (product = 8).
4. Subtract 8 from 9. (1) Bring down the 6 hundreds from above.
5. Look at the 16. Does the divisor (4) go into 16? It does. How many times does 4 go into 16? (4 times)
6. Multiply 4×4 (product = 16).
7. Subtract 16 from 16. (0) Bring down the 0 tens from the first line.
8. Does the divisor (4) go into 0? It doesn't. Bring down the 3 ones from the first line.
9. Look at the 3. Does the divisor (4) go into 3? It doesn't. There's nothing left to bring down from above. Since this number is smaller than the divisor, the problem is finished. The remainder is 3.
10. Write the answer with the remainder. (2,400 R 3)

These examples involve **division using two-digit divisors with remainders**. The approach will be the same as in problems with one-digit divisors.

Example: Divide 87 by 20.

$$\begin{array}{r}
 4 \\
 20 \overline{)87} \\
 \underline{-80} \\
 7 \\
 4 \text{ R } 7
 \end{array}$$

1. Does the divisor (20) go into the left-most digit in the dividend (8)? It doesn't, so keep going to the right.
2. Does the divisor (20) go into the two left-most digits (87)? It does. How many times does 20 go into 87? (4 times)
3. Multiply 4×20 (product = 80).
4. Subtract 80 from 87 (difference = 7). There's nothing left to bring down from above. Since this number is smaller than the divisor, the problem is finished. The remainder is 7.
5. Write the answer with the remainder. (4 R 7)

Example: What is 568 divided by 11?

$$\begin{array}{r}
 51 \\
 11 \overline{)568} \\
 \underline{-55} \downarrow \\
 18 \\
 \underline{-11} \\
 7 \\
 51 \text{ R } 7
 \end{array}$$

1. Does the divisor go into the left-most digit in the dividend?
2. Does the divisor go into the two left-most digits? It does. How many times does 11 go into 56? (5 times)
3. Multiply 11×5 (product = 55). Subtract 55 from 56 (result = 1).
4. Bring down the 8 ones from the first line. How many times does 11 go into 18? (1 time)
5. Subtract 11 from 18 (difference = 7). This is the remainder.

Help Pages

Solved Examples

Fractions

Changing from an improper fraction to a mixed number.

Example: Change the improper fraction $\frac{5}{2}$ to a mixed number.

$\frac{5}{2}$ (five-halves) means $5 \div 2$.

So, $\frac{5}{2}$ is equal to 2 wholes and 1 half or $2\frac{1}{2}$.

$$\begin{array}{r} 2 \overline{)5} \\ -4 \\ \hline 1 \text{ half} \end{array}$$

Changing from a mixed number to an improper fraction.

Example: Change the mixed number $7\frac{1}{4}$ to an improper fraction.

1. To find the numerator of the new fraction, multiply the whole number by the denominator, and add the numerator.
2. Keep the same denominator in the new fraction that was in the mixed number.

$$7\frac{1}{4} \quad 7 \times 4 = 28 \quad 28 + 1 = 29.$$

The new numerator is 29.
Keep the same denominator, 4.

The new fraction is $\frac{29}{4}$.

$$7\frac{1}{4} \text{ is equal to } \frac{29}{4}.$$

Equivalent Fractions are 2 fractions that are equal to each other. Finding a missing numerator or denominator is the goal.

Example: Find a fraction that is equivalent to $\frac{4}{5}$ and has a denominator of 35.

$$\begin{array}{c} \times 7 \\ \curvearrowright \\ \frac{4}{5} = \frac{?}{35} \\ \curvearrowleft \\ \times 7 \end{array}$$

1. Ask, "What did I do to 5 to get 35?" (Multiplied by 7.)
2. Whatever was done to the denominator, must also be done to numerator. $4 \times 7 = 28$ The missing numerator is 28.

$$\text{So, } \frac{4}{5} \text{ is equivalent to } \frac{28}{35}.$$

Example: Find a fraction that is equivalent to $\frac{4}{5}$ and has a numerator of 24.

$$\begin{array}{c} \times 6 \\ \curvearrowright \\ \frac{4}{5} = \frac{24}{?} \\ \curvearrowleft \\ \times 6 \end{array}$$

1. Ask, "What did I do to 4 to get 24?" (Multiplied by 6.)
2. Whatever was done to the numerator, must also be done to the denominator. $5 \times 6 = 30$ The missing denominator is 30.

$$\text{So, } \frac{4}{5} \text{ is equivalent to } \frac{24}{30}.$$

Help Pages

Solved Examples

Fractions (continued)

To add (or subtract) fractions with the same denominator, simply add (or subtract) the numerators, keeping the same denominator.

Examples: $\frac{3}{5} + \frac{1}{5} = \frac{4}{5}$

$$\frac{8}{9} - \frac{1}{9} = \frac{7}{9}$$

To add mixed numbers, follow a process similar to the one you used with fractions. If the sum is an improper fraction, be sure to simplify it.

Example:

$$\begin{array}{r} 1\frac{2}{5} \\ +1\frac{4}{5} \\ \hline 2\frac{6}{5} \end{array}$$

$2\frac{6}{5}$ is improper.
 $\frac{6}{5}$ can be rewritten as $1\frac{1}{5}$.

So, $2\frac{6}{5}$ is $2 + 1\frac{1}{5} = 3\frac{1}{5}$.

Decimals

Adding and subtracting decimals is very similar to adding or subtracting whole numbers. The main difference is that the decimal points must be lined-up in the numbers before beginning. Add zeros if necessary, so that all of the numbers have the same number of digits after the decimal point. Before subtracting, remember to check to see if there is a need to regroup. When finished adding (or subtracting), bring the decimal straight down into the answer.

Examples: Find the sum of 4.25 and 2.31.

$$\begin{array}{r} 4.25 \\ + 2.31 \\ \hline 6.56 \end{array}$$

1. Line up the decimal points. Add zeroes as needed.
2. Add (or subtract) the decimals.
3. Add (or subtract) the whole numbers.
4. Bring the decimal point straight down.

Add 55.2 and 6.472.

$$\begin{array}{r} 55.200 \\ + 6.472 \\ \hline 61.672 \end{array}$$

Examples: Subtract 4.8 from 7.4.

$$\begin{array}{r} 7.4 \\ - 4.8 \\ \hline 2.6 \end{array}$$

Find the difference of 4.1 and 2.88.

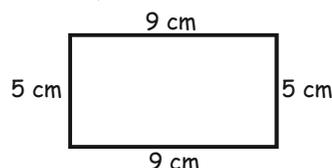
$$\begin{array}{r} 4.10 \\ - 2.88 \\ \hline 1.22 \end{array}$$

Geometry

The **perimeter** of a polygon is the distance around the outside of the figure. To find the perimeter, add the lengths of the sides of the figure. Be sure to label the answer.

Perimeter = sum of the sides

Example: Find the perimeter of the rectangle below.



$$\text{perimeter} = 5 \text{ cm} + 9 \text{ cm} + 5 \text{ cm} + 9 \text{ cm}$$

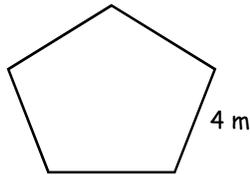
$$\text{perimeter} = 28 \text{ cm}$$

Help Pages

Solved Examples

Geometry (continued)

Example: Find the perimeter of the regular pentagon below.



A pentagon has 5 sides. Each of the sides is 4 m long.

$$P = 4\text{ m} + 4\text{ m} + 4\text{ m} + 4\text{ m} + 4\text{ m}$$

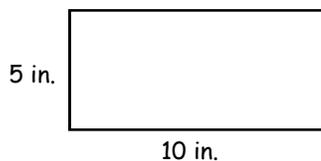
$$P = 5 \times 4\text{ m}$$

$$P = 20\text{ m}$$

Area is the size of a surface. To find the **area of a rectangle or a square**, multiply the length by the width. The area is expressed in square units (ft^2 , in^2 , etc.).

$$\text{Area of rectangle} = \text{length} \times \text{width} \quad \text{or} \quad A = L \times W$$

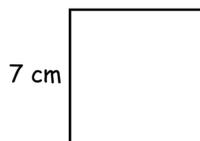
Examples: Find the area of the figures below.



$$\text{Area} = \text{Length} \times \text{Width}$$

$$A = 10\text{ in.} \times 5\text{ in.}$$

$$A = 50\text{ in.}^2 \quad \text{Say, "50 square inches."}$$



A square has 4 equal sides, so its length and its width are the same.

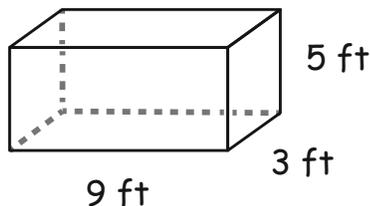
$$A = 7\text{ cm} \times 7\text{ cm}$$

$$A = 49\text{ cm}^2$$

Volume is the measure of space inside of a solid figure. The **volume of a rectangular prism** is the product of its length, its width, and its height. Volume of a solid is expressed in cubic units (m^3 , ft^3 , etc.).

$$\text{Volume} = \text{Length} \times \text{Width} \times \text{Height} \quad \text{or} \quad V = L \times W \times H$$

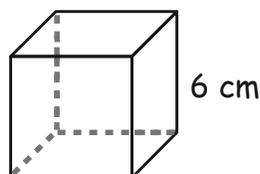
Examples: Find the volume of the solids below.



$$\text{Volume} = \text{Length} \times \text{Width} \times \text{Height}$$

$$V = 9\text{ ft} \times 3\text{ ft} \times 5\text{ ft}$$

$$V = 135\text{ ft}^3 \quad \text{Say, "135 cubic feet."}$$



A cube has all sides equal, so its length, width, and height are all the same.

$$V = 6\text{ cm} \times 6\text{ cm} \times 6\text{ cm}$$

$$V = 216\text{ cm}^3$$

Who Knows?

Seconds in a minute?.....(60)	Closed figures made up of line segments?.....(polygons)
Minutes in an hour?.....(60)	Distance through the center of a circle?.....(diameter)
Days in a year?.....(365)	Half the diameter of a circle?....(radius)
Months in a year?.....(12)	A five-sided figure?.....(pentagon)
Inches in a foot?.....(12)	A six-sided figure?.....(hexagon)
Feet in a yard?.....(3)	An eight-sided figure?.....(octagon)
Inches in a yard?.....(36)	A four-sided figure?.....(quadrilateral)
Quarts in a gallon?.....(4)	The answer to an addition problem?.....(sum)
Ounces in a pound?.....(16)	The answer to a subtraction problem?.....(difference)
Pounds in a ton?.....(2,000)	The answer to a multiplication problem?.....(product)
Cups in a pint?.....(2)	The answer to a division problem?.....(quotient)
Pints in a quart?.....(2)	The average of a set of numbers?.....(mean)
Centimeters in a meter?.....(100)	The middle number in a set of numbers?.....(median)
Grams in a kilogram?.....(1,000)	The number occurring most often?.....(mode)
Millimeters in a meter?.....(1,000)	Largest minus smallest?.....(range)
Years in a decade?.....(10)	The perimeter?.....(add the sides)
Years in a century?.....(100)	The area?.....(length x width)
Degrees in a right angle?.....(90)	The volume?.....(length x width x height)
Angle less than 90° ?.....(acute)	
Angle greater than 90° ?.....(obtuse)	
Figures with the same size and shape?.....(congruent)	
Figures with the same shape, but different sizes?.....(similar)	