

American Education Publishing™
An imprint of Carson-Dellosa Publishing LLC
P.O. Box 35665
Greensboro, NC 27425 USA

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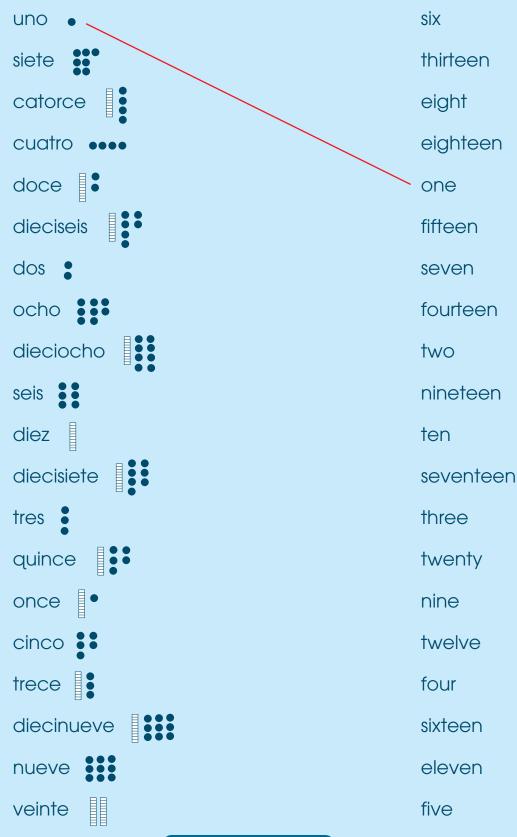
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Numbers: Spanish Los Números en Español

Directions: Match the numbers 1–20. The first one is done for you.



Addition: Spanish Add in Spanish!

Addition means "putting together" or adding two or more numbers to find the sum. For example, 3 + 5 = 8.

"Más" means plus in Spanish.

Example: uno más tres =
$$\frac{4}{3}$$

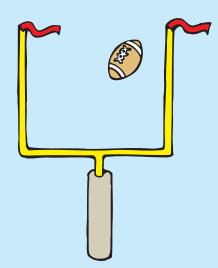
Directions: Add to find the answer.

Addition

Example:

Add the ones.

Add the tens.



Directions: Add.

The Lions scored 42 points. The Clippers scored 21 points. How many points were scored in all?

Addition: Football Math

Directions: Follow the plays of your favorite team.

A touchdown is worth 6 points. A field goal is worth 3 points.



WRITE YOUR TEAM HERE!



2 touchdowns =

_____points



I touchdown + 2 field goals =

points



3 field goals

points



I field goal + I touch<mark>down</mark> =

____points

Your team won the game and made record-breaking points! How many points did they score in all?

Master Skills Math Grade 3

Subtraction

Subtraction means "taking away" or subtracting one number from another to find the difference. For example, 10 - 3 = 7.

Example: Subtract the ones. Subtract the tens.

Directions: Subtract.



The yellow car traveled 87 miles per hour. The orange car traveled 66 miles per hour. How much faster was the yellow car traveling?

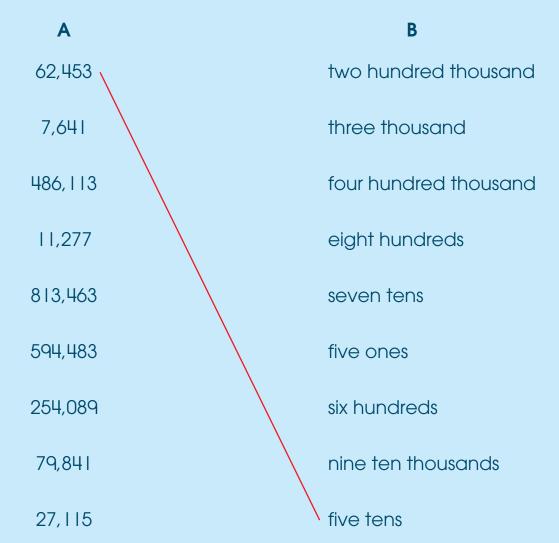
Place Value

The place value of a digit, or numeral, is shown by where it is in the number. For example, in the number 1,234, I has the place value of thousands, 2 is hundreds, 3 is tens, and 4 is ones.

Hundred	Ten				
Thousands	Thousands	Thousands	Hundreds	Tens	Ones
9	4	3	8	5	2



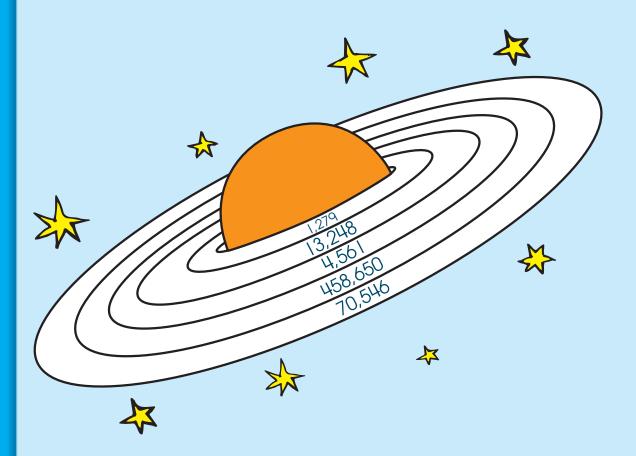
Directions: Match the numbers in Column A with the words in Column B. The first one is done for you.



Place Value

Directions: Use the code to color the rings.

If the number has: seven ten thousands, color it **red**. one thousand, color it **blue**. four hundred thousands, color it **green**. six tens, color it **brown**. eight ones, color it yellow.



Addition means "putting together" or adding two or more numbers to find the sum. To regroup is to use 10 ones to form one ten, 10 tens to form one hundred, and so on.

Example:

Add the ones.

Add the tens with regrouping.



Directions: Add using regrouping.

The Blues scored 63 points. The Reds scored 44 points. How many points were scored in all?

Subtraction means "taking away" or subtracting one number from another to find the difference. To regroup is to use one ten to form 10 ones, one hundred to form 10 tens, and so on.

Example:

$$32 = 2 \text{ tens} + 12 \text{ ones}$$

 $-13 = 1 \text{ ten} + 3 \text{ ones}$
 $19 = 1 \text{ ten} + 9 \text{ ones}$

Directions: Subtract using regrouping.



The Yankees won 85 games. The Cubs won 69 games. How many more games did the Yankees win?

Addition and Subtraction: Regrouping

П

Directions: Add or subtract. Regroup when needed.



The soccer team scored 83 goals this year. The soccer team scored 68 goals last year. How many goals did they score in all?

Review

Directions: Write this number on the blank:

four hundred thousands five ten thousands one thousand eight hundreds three tens three ones



Directions: Add or subtract. Use regrouping when needed.

Sue won 75 tennis games. Jim won 59 tennis games. How many more games did Sue win?

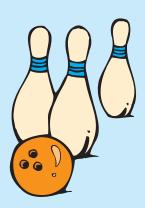
Directions: Study the example. Add using regrouping.

Example:

Add the ones. Regroup. Add the tens. Regroup. Add the hundreds.

$$\begin{array}{ccc}
 & 1 & \\
 & 156 & 6 \\
 & + 267 & + 7 \\
\hline
 & 3 & 13
\end{array}$$

$$\begin{array}{ccc}
11 & 1 \\
156 & 5 \\
+ 267 & + 6 \\
\hline
23 & 12
\end{array}$$



Sally went bowling. She had scores of 115, 129, and 103. What was her total score for three games?

Directions: Add using regrouping. Then, use the code to discover the name of a United States president. The first one is done for you.



G

Directions: Study the example. Add using regrouping.

Example:

Steps:

5,356

I. Add the ones.

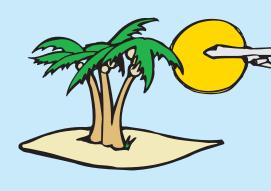
+ 3,976

2. Regroup the tens. Add the tens.

9,332

3. Regroup the hundreds. Add the hundreds.

4. Add the thousands.



A plane flew 1,838 miles on the first day. It flew 2,347 miles on the second day. How many miles did it fly in all?

Addition: Mental Math

Directions: Try to do these addition problems in your head.

Directions: Regrouping for subtraction is the opposite of regrouping for addition. Study the example. Subtract using regrouping. Then, use the code to color the flowers.

Example:

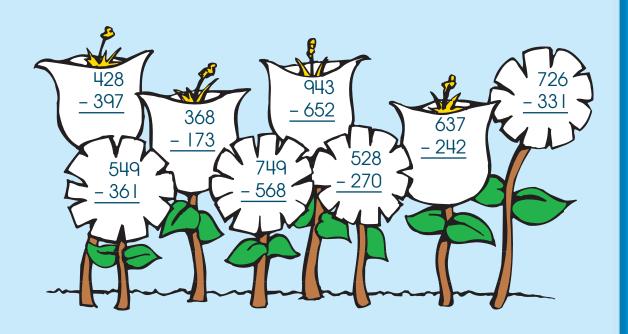
Steps:

647

<u>- 453</u> 194

- 1. Subtract the ones.
- 2. Subtract the tens. Five tens cannot be subtracted from four tens.
- 3. Regroup the tens by regrouping six hundreds (five hundreds + 10 tens).
- 4. Add the 10 tens to the four tens.
- 5. Subtract five tens from 14 tens.
- 6. Subtract the hundreds.

If the answer has: one one, color it **red**; eight ones, color it **pink**; five ones, color it **yellow**.



Directions: Study the example. Follow the steps. Subtract using regrouping.

Example:

Steps:

634 <u>- 455</u>

179

- I. Subtract the ones. You cannot subtract five ones from four ones.
- 2. Regroup the ones by regrouping three tens to two tens + 10 ones.
- 3. Subtract five ones from 14 ones.
- 4. Regroup the tens by regrouping the hundreds (five hundreds + 10 tens).
- 5. Subtract five tens from 12 tens.
- 6. Subtract the hundreds.

Sophie goes to school 185 days a year. Yoko goes to school 313 days a year. How many more days of school does Yoko attend each year?

Directions: Study the example. Follow the steps. Subtract using regrouping. If you have to regroup to subtract ones and there are no tens, you must regroup twice.

Example:

Steps:

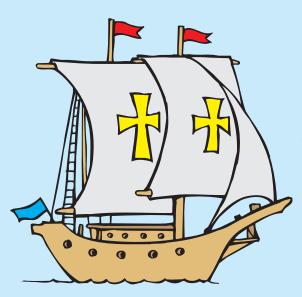
300 - 182

<u>- 182</u> 118 1. Subtract the ones. You cannot subtract two ones from zero ones.

2. Regroup. No tens. Regroup the hundreds (two hundreds + 10 tens).

- 3. Regroup the tens (nine tens + 10 ones).
- 4. Subtract two ones from 10 ones.
- 5. Subtract eight tens from nine tens.
- 6. Subtract one hundred from two hundreds.

Directions: Subtract. Regroup when necessary. The first one is done for you.



Columbus discovered America in 1492. The pilgrims landed in America in 1620. How many years difference was there between these two events?

Subtraction: Mental Math

21

Directions: Try to do these subtraction problems in your head.

Review

Directions: Add or subtract using regrouping.



The drive from New York City to Los Angeles is 2,832 miles. The drive from New York City to Miami is 1,327 miles. How much farther is it to drive from New York City to Los Angeles than from New York City to Miami?

Rounding: The Nearest Ten

If the ones number is 5 or greater, round up to the nearest 10. If the ones number is 4 or less, the tens number stays the same and the ones number becomes a zero.

Examples:

Directions: Round these numbers to the nearest ten.

Rounding: The Nearest Hundred

If the tens number is 5 or greater, round up to the nearest hundred. If the tens number is 4 or less, the hundreds number remains the same.

Remember, look at the number directly to the right of the place you are rounding to.

Examples:

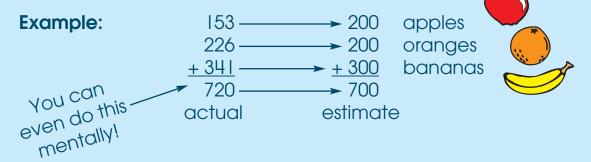
$$150^{\frac{1}{1}} \frac{1}{1} \frac{1}{1$$

Directions: Round these numbers to the nearest hundred.

Estimation

Estimation is useful when you don't need to know the exact amount, but a close answer will do.

When we use estimation, we use only the first number after we round the number up or down. Then, add the numbers together to get the estimate.



Directions: Estimate the sum of these numbers.

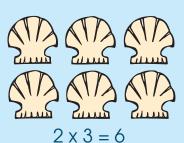
Multiplication

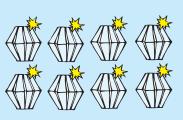
Multiplication is a short way to find the sum of adding the same number a certain amount of times. For example, we write $7 \times 4 = 28$ instead of 7 + 7 + 7 + 7 = 28.

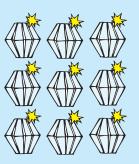
Directions: Study the example. Multiply.

Example:

There are two groups of seashells. There are three seashells in each group. How many seashells are there in all?







Directions: Multiply.

A river boat makes three trips a day every day. How many trips does it make in a week?

Multiplication

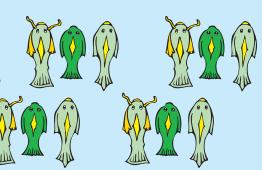
Factors are the numbers multiplied together in a multiplication problem. The answer is called the **product**. If you change the order of the factors, the product stays the same.

Example:

There are four groups of fish. There are three fish in each group. How many fish are there in all?

$$4 x 3 = 12$$

factor x factor = product



Directions: Draw three groups of four fish.

$$3 \times 4 = 12$$

Compare your drawing and answer with the example. What did you notice?

Directions: Fill in the missing numbers. Multiply.

Multiplication: Zero And One

Any number multiplied by zero equals zero. One multiplied by any number equals that number.

Example:

How many full sails are there in all?



2 boats x I sail on each boat = 2 sails

How many full sails are there now?

2 boats \times **0** sails = **0** sails



Directions: Multiply.

Multiplication

Directions: Time yourself as you multiply. How quickly can you complete this page?



Multiplication Table

Directions: Complete the multiplication table. Use it to practice your multiplication facts.

X	0	I	2	3	4	5	6	7	8	9	10
0	0										
Ι											
2			4								
3				9							
4					16						
5						25					
6							36				
7								49			
8									64		
9										81	
10											100

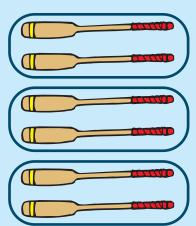
Division

Division is a way to find out how many times one number is contained in another number. For example, $28 \div 4 = 7$ means that there are seven groups of four in 28.

Directions: Study the example. Divide.

Example:

There are six oars. Each canoe needs two oars, How many canoes can be used?



Circle groups of two. There are three groups of two.

per canoe



$$9 \div 3 =$$
 $8 \div 2 =$ $16 \div 4 =$ _____

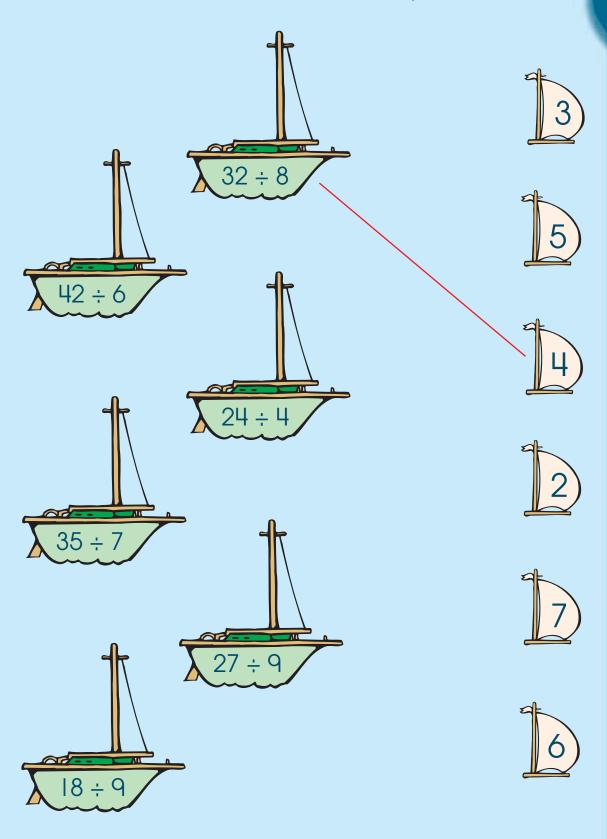
$$15 \div 5 =$$

$$15 \div 5 =$$
 $20 \div 4 =$ $20 \div 4 =$

$$24 \div 6 =$$
 $12 \div 2 =$

Division

Directions: Divide. Draw a line from the boat to the sail with the correct answer. The first one is done for you.



Order of Operations

When you solve a problem that involves more than one operation, this is the order to follow:

- () Parentheses first
- x Multiplication and ÷ Division (left to right)
- + Addition and Subtraction (left to right)

$$2 + (3 \times 5) - 2 = 15$$

 $2 + 15 - 2 = 15$
 $17 - 2 = 15$

Directions: Solve the problems using the correct order of operations.

$$(5-3) + 4 \times 7 =$$

$$1 + 2 \times 3 + 4 =$$

$$(8 \div 2) \times 4 =$$

$$9 \div 3 \times 3 + 0 =$$

Order of Operations

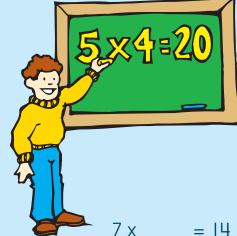
Directions: Use +, -, x, and ÷ to complete the problems so the number sentence is true.

Example:
$$4 + 2 - 1 = 5$$



Review

Directions: Multiply or divide. Fill in the blanks with the missing numbers or **x** or ÷ signs. The first one is done for you.



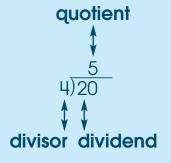
Division

Division is a way to find out how many times one number is contained in another number. The ÷ sign means divided by. Another way to divide is to use) . The **dividend** is the larger number that is divided by the smaller number, or **divisor**. The answer of a division problem is called the **quotient**.



Directions: Study the example. Divide.

Example:



$$35 \div 7 = ____ 7)35$$

$$36 \div 6 =$$

$$36 \div 6 =$$
 $28 \div 4 =$ $15 \div 5 =$ $12 \div 2 =$

A tree farm has 36 trees. There are four rows of trees. How many trees are there in each row?

Division: Zero and One

Directions: Study the rules of division and the examples. Divide, then write the number of the rule you used to solve each problem.

Examples:

Rule 1: 1)5 Any number divided by I is that number.

Rule 2: 5)5 Any number except 0 divided by itself is 1.

Rule 3: 7)0 Zero divided by any number is zero.

Rule 4: 0)7 You cannot divide by zero.

1)6 Rule _____ 1)7 Rule _____



7)7 Rule _____ 0)6 Rule ____

9)0 Rule _____ 1)4 Rule _____

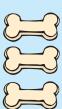
Division: Remainders

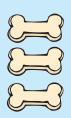
Division is a way to find out how many times one number is contained in another number. For example, $28 \div 4 = 7$ means that there are seven groups of four in 28. The dividend is the larger number that is divided by the smaller number, or divisor. The quotient is the answer in a division problem. The remainder is the amount left over. The remainder is always less than the divisor.

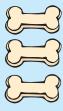
Directions: Study the example. Find each quotient and remainder.

Example:

There are 11 dog biscuits. Put them in groups of three. There are two left over.









Remember: The remainder must be less than the divisor!

$$9 \div 4 =$$
 _____ $12 \div 5 =$ _____ $26 \div 4 =$ _____ $49 \div 9 =$ ____

The pet store has seven cats. Two cats go in each cage. How many cats are left over?

Multiples

Directions:	Draw a red circle around the numbers that can
	be divided by 2. We say these are multiples of two.
	Draw a blue X on the multiples of three.
	Draw a green square around the multiples of five.
	Draw a yellow circle around the multiples of ten.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Look at your chart. Common multiples are those which are shared. You have marked them in more than one color. What numbers have all the colors?

Divisibility Rules

A number is divisible...

by 2 if the last digit is 0 or even (2, 4, 6, 8).

by 3 if the sum of all digits is divisible by 3.

by 4 if the last two digits are divisible by 4.

by 5 if the last digit is a 0 or 5.

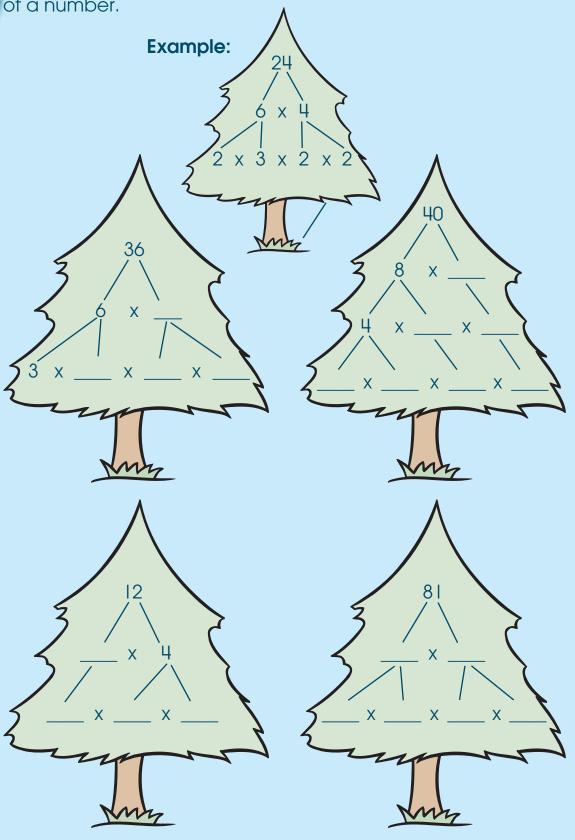
by 10 if the last digit is 0.

Example: 250 is divisible by 2, 5, 10

Directions: Look at the numbers below. Tell if the number is divisible by 2, 3, 4, 5, or 10 using the key above.

Factor Trees

Factors are the smaller numbers multiplied together to make a larger number. Factor trees are one way to find all the factors of a number.



Master Skills Math Grade 3

Percentages

A **percentage** is the amount of a number out of 100. This is the percent sign: %.

Directions: Fill in the blanks. The first one is done for you.

$$70\% = \frac{70}{100}$$

$$_{---}\% = \frac{40}{100}$$

$$30\% = \frac{}{100}$$

$$10\% = \frac{100}{100}$$

$$90\% = \frac{100}{100}$$

$$40\% = \frac{100}{100}$$

$$70\% = \frac{100}{100}$$

$$80\% = \frac{100}{100}$$

$$_{---}\% = \frac{20}{100}$$

$$_{---}\% = \frac{30}{100}$$

$$_{---}\% = \frac{10}{100}$$

$$_{---}\% = \frac{50}{100}$$

$$_{---}\% = \frac{90}{100}$$

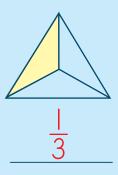
Fractions

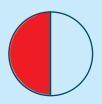
A **fraction** is a number that names part of a whole, such as $\frac{1}{2}$ or $\frac{1}{3}$.

Example:

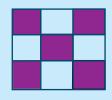
- 2 parts shaded5 parts in the whole figure

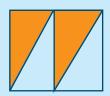
Directions: Write the fraction that tells what part of each figure is colored. The first one is done for you.



















Fractions

Directions: We often use fractions in cooking or baking. Look for fractions you know as you use this recipe with your mom or dad.





Cream:

I cup shortening I cup brown sugar

½ cup sugar

I teaspoon vanilla



Add:

2 eggs, one at a time. Beat well after

each egg is added.



 $2\frac{1}{u}$ cups flour I teaspoon salt

I teaspoon baking soda

Add sifted ingredients to creamed mixture.



Stir:

in 2 cups of chocolate chips

Bake:

at 350 degrees in an oven for 10 minutes

on ungreased cookie sheets

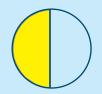
Challenge: Double the recipe and see what happens to the fractions!

Fractions: Equivalent

Fractions that name the same part of a whole are equivalent fractions.

Example:

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





Directions: Fill in the numbers to complete the equivalent fractions.







$$\frac{1}{4} = \frac{2}{8}$$



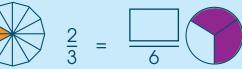


$$\frac{1}{6} = \frac{1}{1}$$





$$\frac{2}{3}$$



$$\frac{1}{3} = \frac{1}{12}$$

$$\frac{1}{5} = \frac{15}{15}$$

$$\frac{1}{4} = \frac{8}{8}$$

$$\frac{1}{2} = \frac{}{}$$

$$\frac{2}{3} = \frac{\square}{9}$$

$$\frac{2}{6} = \frac{18}{18}$$

Fractions: Division

A fraction is a number that names part of an object. It can also name part of a group.

Directions: Study the example. Divide by the bottom number of the fraction to find the answers.

Example:

There are six cheerleaders. $\frac{1}{2}$ of the cheerleaders are boys. How many cheerleaders are boys?

6 cheerleaders ÷ 2 groups = 3 boys

$$\frac{1}{2}$$
 of 6 = 3

$$\frac{1}{2}$$
 of $10 =$ _____

$$\frac{1}{3}$$
 of 9 = ____

$$\frac{1}{2}$$
 of $10 = ____$ $\frac{1}{5}$ of $10 = _____$

$$\frac{1}{11}$$
 of $12 =$ _____

$$\frac{1}{8}$$
 of 32 = ____

$$\frac{1}{4}$$
 of $12 =$ $\frac{1}{8}$ of $32 =$ $\frac{1}{3}$ of $27 =$ $\frac{1}{3}$

$$\frac{1}{5}$$
 of 30 = ____

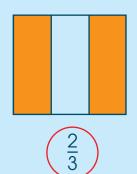
$$\frac{1}{5}$$
 of 30 = $\frac{1}{2}$ of 14 = $\frac{1}{9}$ of 18 = $\frac{1}{9}$

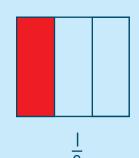
$$\frac{1}{9}$$
 of $18 = ____$

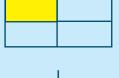
Fractions: Comparing

Directions: Circle the fraction in each pair that is larger.

Example:

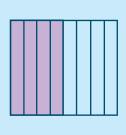


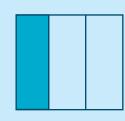


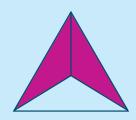


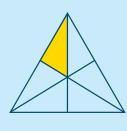












$$\frac{1}{4}$$
 or $\frac{1}{6}$

$$\frac{1}{5}$$
 or $\frac{1}{7}$

$$\frac{1}{8}$$
 or $\frac{1}{4}$

Directions: Divide. Draw a line from each problem to the correct answer. The first one is done for you.



Directions: Divide.

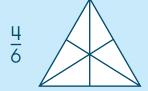
$$\frac{1}{3}$$
 of $12 = ____$

$$\frac{1}{u}$$
 of 20 = ____

$$\frac{1}{3}$$
 of $12 = ____$ $\frac{1}{5}$ of $15 = ____$

Directions: Color parts of each object to match the fractions given.





Decimals

A **decimal** is a number with one or more numbers to the right of a decimal point. A **decimal point** is a dot placed between the ones place and the tens place of a number, such as 2.5.

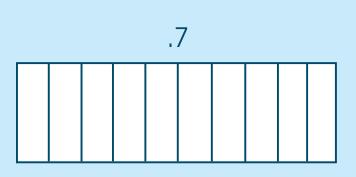
Example:

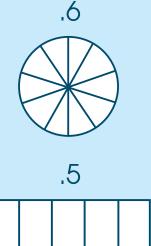
 $\frac{3}{10}$ can be written as .3 They are both read as three-tenths.

Directions: Write the answer as a decimal for the shaded parts. The first one is done for you.



Directions: Color parts of each object to match the decimals given.





Decimals

A decimal is a number with one or more numbers to the right of a decimal point, such as 6.5 or 2.25. Equivalent means numbers that are equal.

Directions: Draw a line between the equivalent numbers. The first one is done for you.



five-tenths
$$\frac{8}{10}$$

$$\frac{6}{10}$$

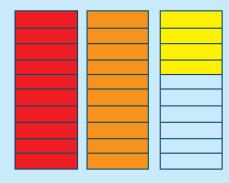
six-tenths
$$\frac{2}{10}$$

three-tenths
$$\frac{7}{10}$$

$$\frac{9}{10}$$

Example:

$$2\frac{4}{10}$$



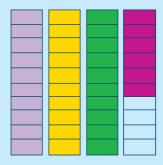
Write: 2.4

Read: two and four-tenths

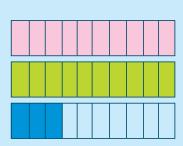




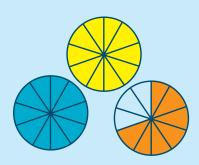
$$\frac{2}{10} =$$



$$3\frac{6}{10} =$$



$$2\frac{3}{10} =$$



$$2\frac{7}{10} =$$

Directions: Write each number as a decimal.

four and two-tenths = ____ seven and one-tenth = ____

$$3\frac{4}{10} =$$

$$6\frac{9}{10} =$$

$$8\frac{3}{10} =$$

Decimals: Addition and Subtraction

Decimals are added and subtracted in the same way as other numbers. Simply carry down the decimal point to your answer.

Examples:



Directions: Add or subtract.

$$2.5 - 0.7 =$$

$$9.3 + 1.2 =$$
 $2.5 - 0.7 =$ $1.2 + 5.0 =$

Jacob jogs around the school every day. The distance for one time around is 0.7 of a mile. If he jogs around the school two times, how many miles does he jog each day?

Patterns

Directions: Write the one that would come next in each pattern.

0 2 0 4 0 6

1 3 5 7 9 11

5 10 20 40 80

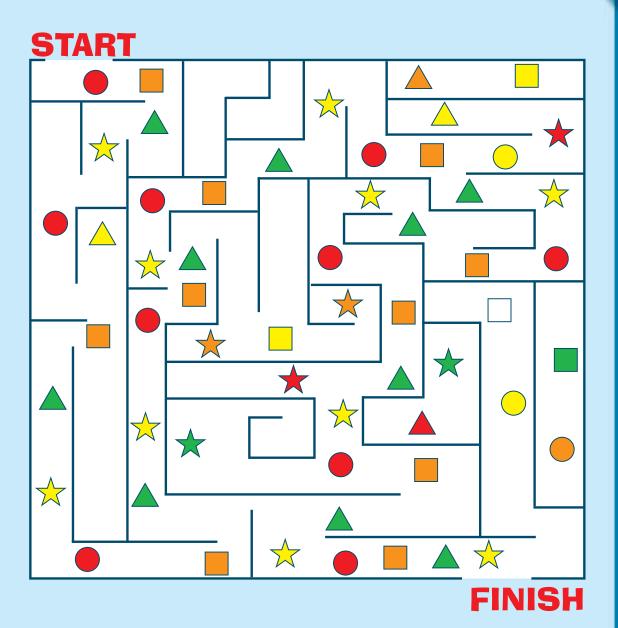
I A 2 B 3 C

A A I B B 2 _____

Pattern Maze

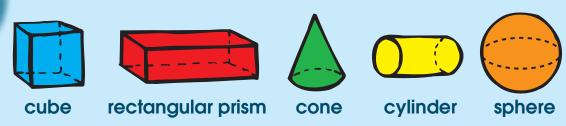
Directions: Follow the pattern:

to get through the maze.

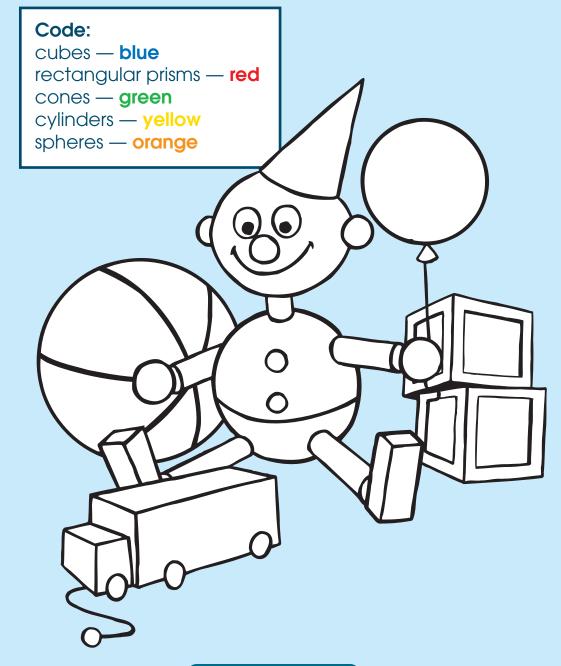


Geometry

Geometry is the branch of mathematics that has to do with points, lines, and shapes.



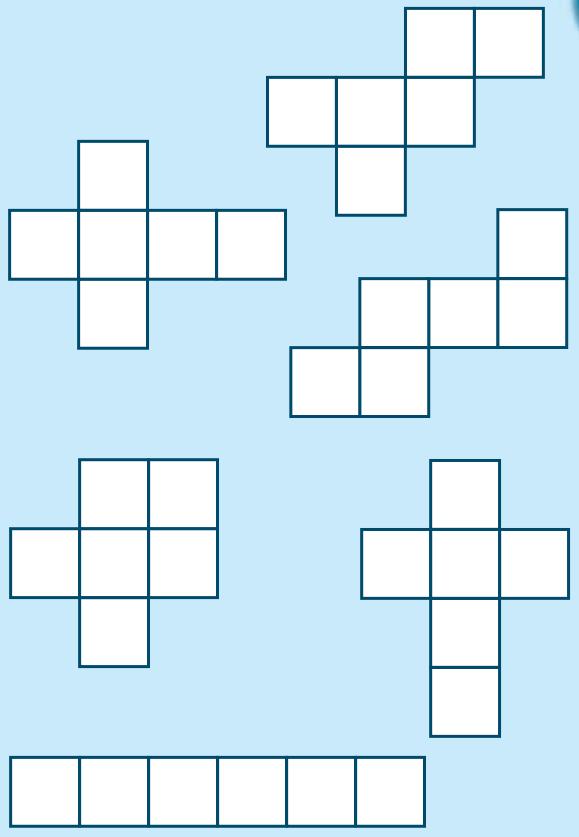
Directions: Use the code to color the picture.



Master Skills Math Grade 3

Geometry

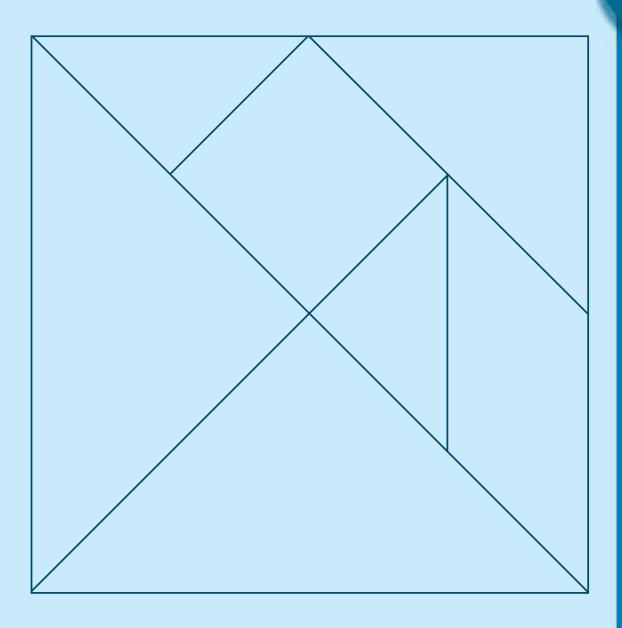
Directions: Cut out the shapes below. Which shapes create a box when folded along the lines?



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Tangram

Directions: Cut out the tangram below. Use the shapes to make a cat, a chicken, a boat, and a large triangle.

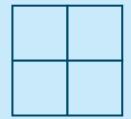


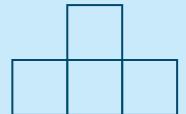
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Geometry Challenge

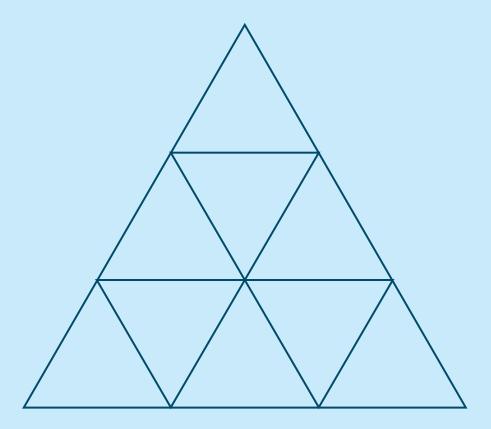
- **Directions:** I. Draw four squares.
 - 2. Draw as many possibilities of them touching one edge as you can.

Example:





Directions: Count all the triangles.



There are _____ triangles in the figure above.

Geometry: Lines, Segments, Rays, Angles

A line goes on and on in both directions. It has no end points.



A **segment** is part of a line. It has two end points.

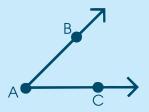


Segment AB

A ray has a line segment with only one end point. It goes on and on in the other direction.



An **angle** has two rays with the same end point.

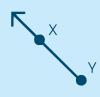


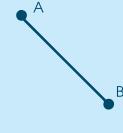
Angle BAC

Directions: Write the name for each figure. The first one is done for you.

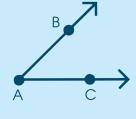


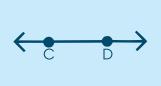
line MN











Geometry Game

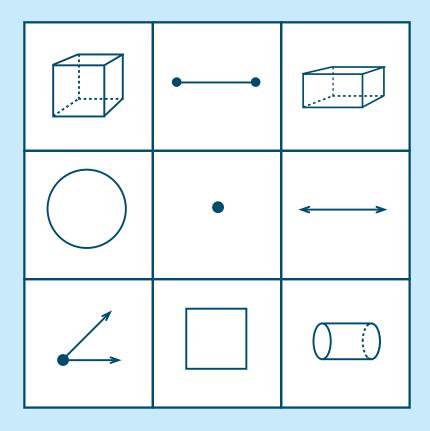
Directions:

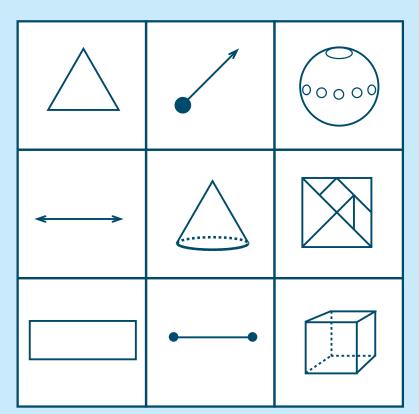
- I. Cut out the cards at the bottom of the page. Put them in a pile.
- 2. Cut out the game boards on the next page.
- 3. Take turns drawing cards.
- 4. If you have the figure that the card describes on your gameboard, cover it.
- 5. The first one to get three in a row, wins.

cube	point	cube	cylinder	
rectangular prism	line	square	cone	
circle	sphere	triangle	segment	
rectangle	tangram	ray		

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Geometry Game



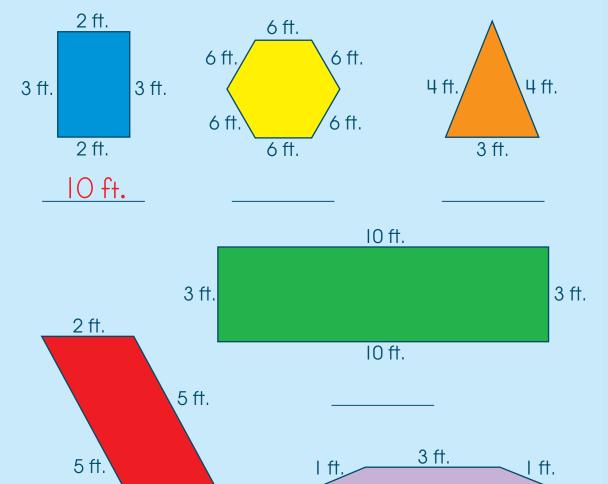


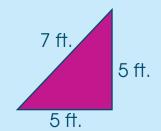
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Geometry: Perimeter

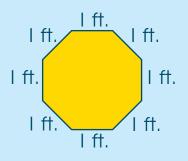
The **perimeter** is the distance around an object. Find the perimeter by adding the lengths of all the sides.

Directions: Find the perimeter for each object (ft. = feet). The first one is done for you.





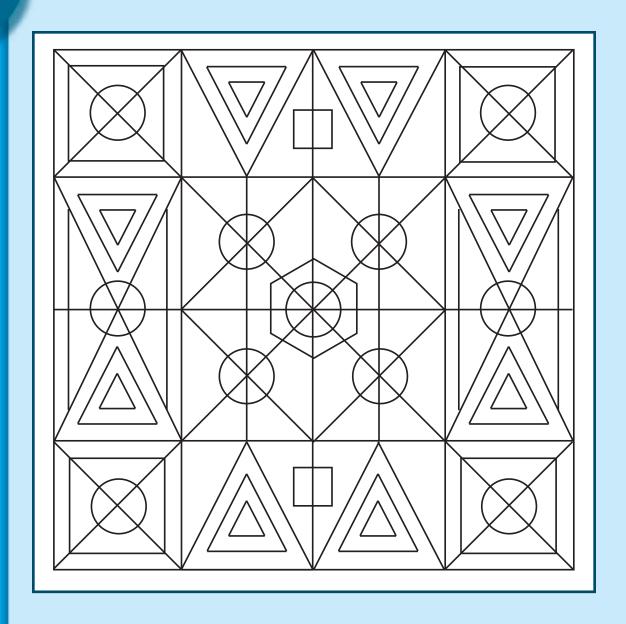
2 ft.



5 ft.

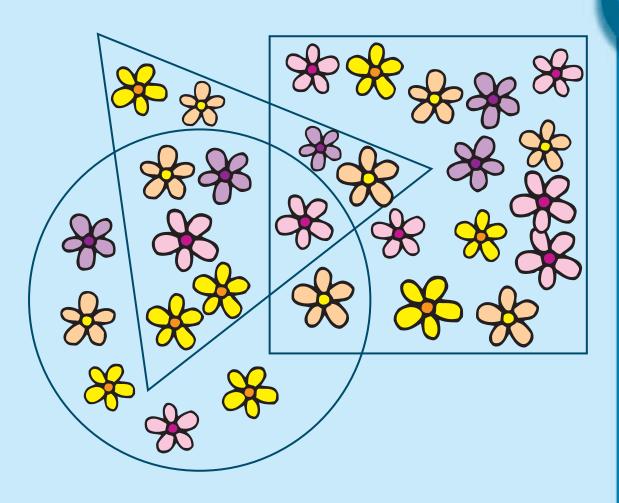
Geometric Coloring

Directions: Color the geometric shapes in the box below.



Flower Power

Directions: Count the flowers and answer the questions.



How many s are in the circle? _____

How many s are in the triangle? _____

How many s are in the square? _____

How many s in all? _____

Directions: Write the decimal for each fraction.

$$\frac{3}{10} =$$

$$2\frac{4}{10} =$$

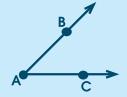
$$\frac{3}{10} =$$
 $2\frac{4}{10} =$ $12\frac{7}{10} =$ $\frac{8}{10} =$

$$\frac{8}{10} =$$

Directions: Write the name of each figure.







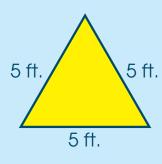


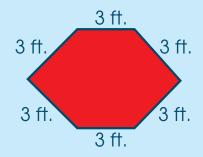
Directions: Add or subtract.

$$3.4 - 1.7 =$$

$$2.8 + 5.7 =$$

Directions: Find the perimeter of each object.

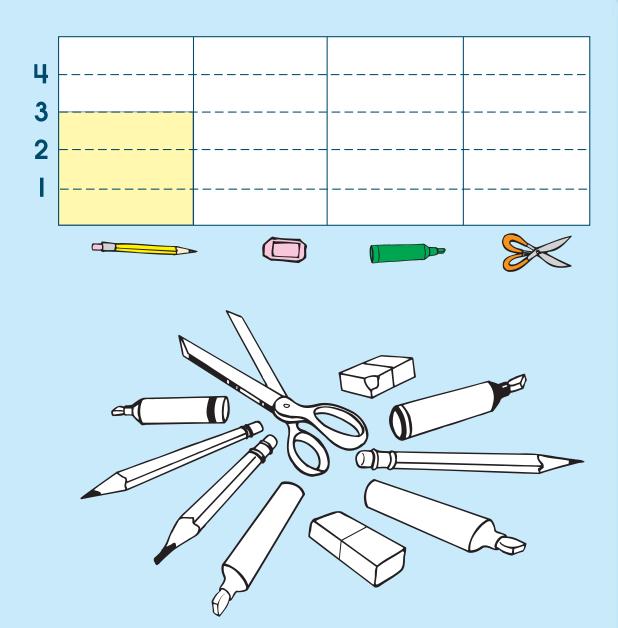




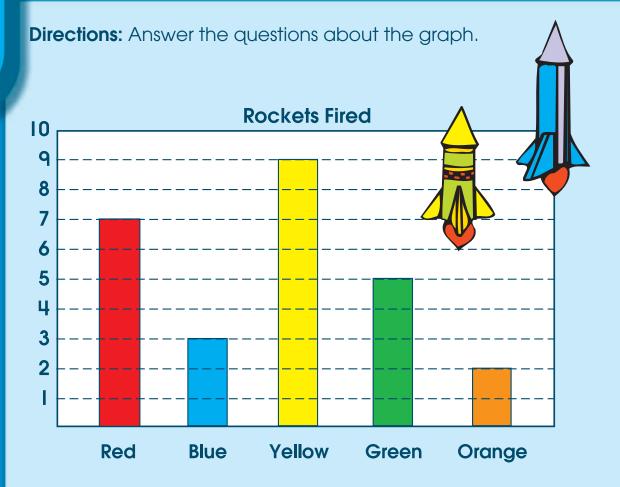
Graphs

A **graph** is a drawing that shows information about numbers.

Directions: Color the picture. Then, tell how many there are of each object by completing the graph.



Graphs



How many rockets did the Red Club fire?

How many rockets did the Green Club fire?

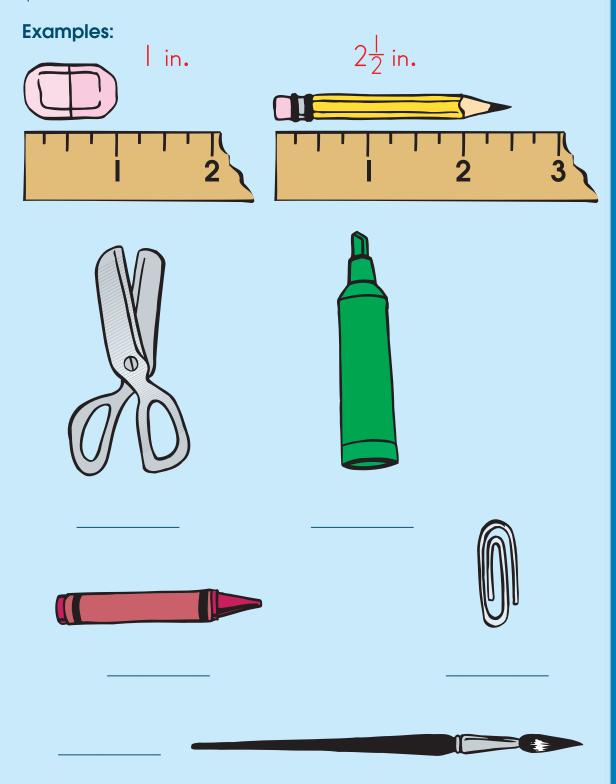
The Yellow Club fired nine rockets. How many more rockets did it fire than the Blue Club?

How many rockets were fired in all?

Measurement: Inches

An **inch** is a unit of length in the standard measurement system.

Directions: Use a ruler to measure each object to the nearest $\frac{1}{4}$ inch. Write **in.** to stand for inch.



Measurement: Foot, Yard, Mile

I foot = 12 inches
I yard = 36 inches or 3 feet
I mile = 1,760 yards

Directions: Decide whether you would use foot, yard, or mile to measure each object. The first one is done for you.

length of a river <u>miles</u>
height of a tree
width of a room
length of a football field
height of a door
length of a dress
length of a race
height of a basketball hoop
width of a window
distance a plane travels
Directions: Solve the problem.
Tara races Jacob in the 100-yard dash. Tara

feet did Tara finish in front of Jacob?

Measurement: Ounce and Pound

Ounces and pounds are measurements of weight in the standard measurement system. The ounce is used to measure the weight of very light objects. The pound is used to measure the weight of heavier objects. I6 ounces = I pound.

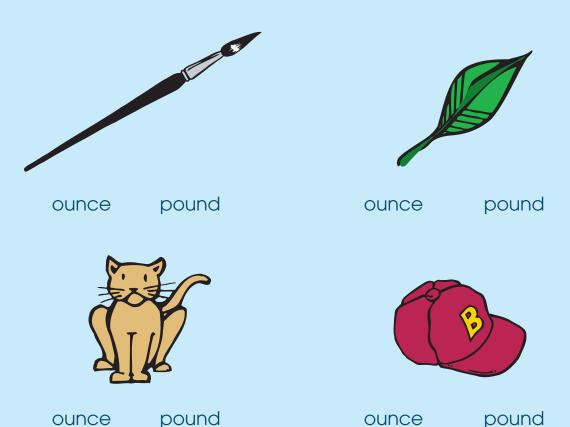
Examples:



15 pounds



Directions: Decide if you would use ounces or pounds to measure the weight of each object. Circle your answer.

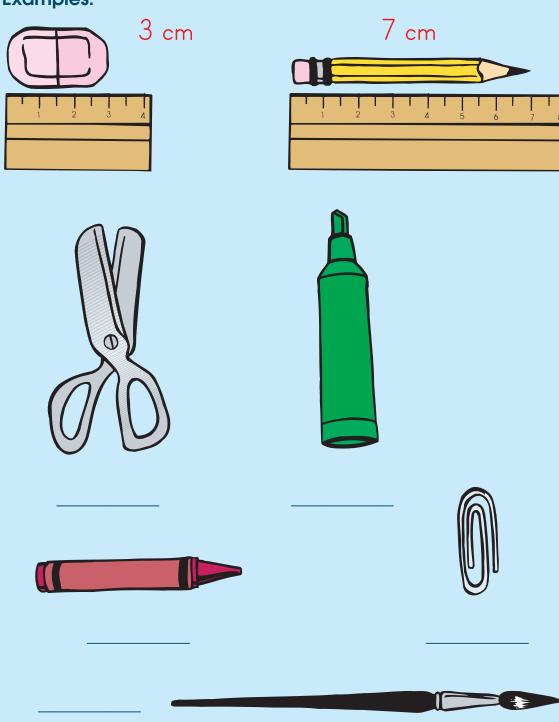


Measurement: Centimeter

A **centimeter** is a unit of length in the metric system. There are 2.54 centimeters in an inch.

Directions: Use a centimeter ruler to measure each object to the nearest half of a centimeter. Write **cm** to stand for centimeter.

Examples:



Master Skills Math Grade 3

Measurement: Meter and Kilometer

Meters and **kilometers** are units of length in the metric system. A meter is equal to 39.37 inches. A kilometer is equal to about $\frac{5}{8}$ of a mile.

I meter = 100 centimeters I kilometer = 1,000 meters

Directions: Decide whether you would use meter or kilometer to measure each object. The first one is done for you.

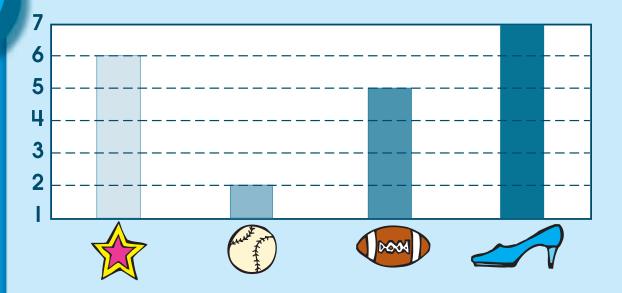


length of a river <u>kilometer</u>	
height of a tree	
width of a room	
length of a football field	
height of a door	
length of a dress	
length of a race	
height of a basketball pole	
width of a window	

Directions: Solve the problem.

Sarah races Jon in the 100-meter dash. Sarah finishes 10 meters in front of Jon. How many centimeters did Sarah finish in front of Jon?

Directions: Circle the correct answers.



Are there more shoes or stars?

stars shoes

How many more footballs than baseballs?

2 3

Are there fewer stars or footballs?

stars footballs

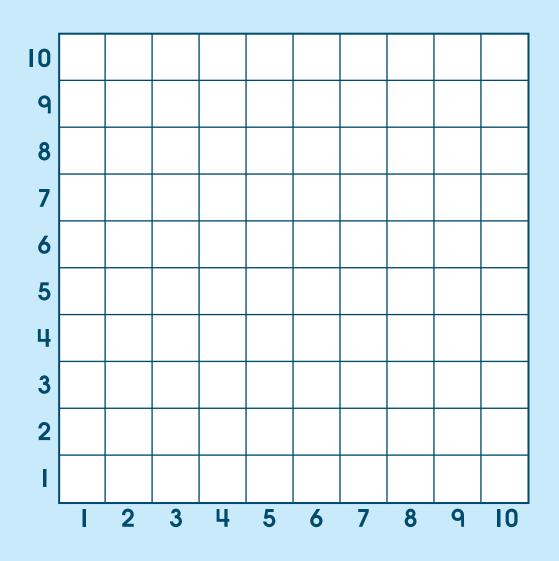
Which would you use to measure...

a horse?	ounce	pound
a bird?	ounce	pound
length of a car?	inches	feet
width of a river?	inches	yards
height of a room?	centimeters	meters

Coordinates

Directions: Locate the points on the grid and color in each box.

What animal did you form? _____



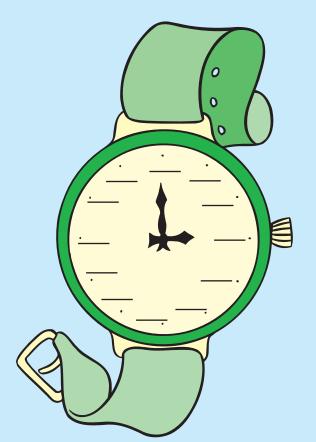
(across, up)

Roman Numerals

Another way to write numbers is to use Roman numerals.

I	1	VII	7
II	2	VIII	8
III	3	IX	9
IV	4	X	10
V	5	XI	-11
VI	6	XII	12

Directions: Fill in the Roman numerals on the watch.



What time is it on the watch?

____o'clock

Roman Numerals

I	1	VII	7
II	2	VIII	8
Ш	3	IX	C
IV	4	X	10
V	5	XI	-11
VI	6	XII	12

Directions: Write the number.

Directions: Write the Roman numeral.

Time: Hour, Half-Hour, Quarter-Hour, 5 Min. Intervals

Directions: Write the time shown on each clock.

Examples:



7:15

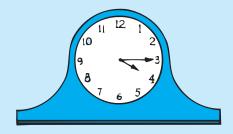


7:00





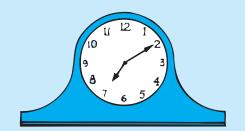














Time: a.m. and p.m.

In telling time, the hours between 12:00 midnight and 12:00 noon are a.m. hours. The hours between 12:00 noon and 12:00 midnight are p.m. hours.

Directions: Draw a line between the times that are the same.

Examples:

7:30 in the morning	7:30 a.m. half-past seven a.m. seven thirty in the morning
0:00 in the evening	0:00 n m

six o'clock in the evening 8:00 a.m.

3:30 a.m. six o'clock in the morning

4:15 p.m. 6:00 p.m.

eight o'clock in the eleven o'clock at night morning

quarter past five in the three thirty in the morning evening

11:00 p.m. four fifteen in the afternoon

6:00 a.m. 5:15 p.m.

Time: Minutes

A minute is a measurement of time. There are 60 seconds in a minute and 60 minutes in an hour.

Directions: Write the time shown on each clock.

Example:

Each mark is one minute. The hand is at mark number 6.



Write: 5:06

Read: six minutes

after five.



















Time: Addition

Directions: Add the hours and minutes together.

(Remember, I hour equals 60 minutes.)

Examples:

2 hours 10 minutes + 1 hour 50 minutes 3 hours 60 minutes

(I hour)

4 hours



4 hours 20 minutes + 2 hours 10 minutes 6 hours 30 minutes

9 hours + 2 hours I hour + 5 hours 6 hours + 3 hours

6 hours 15 minutes + 1 hour 15 minutes 10 hours 30 minutes + 1 hour 10 minutes

3 hours 40 minutes + 8 hours 20 minutes + I hours 15 minutes + I hour 30 minutes

4 hours 15 minutes + 5 hours 45 minutes

7 hours 10 minutes + 1 hour 30 minutes

Time: Subtraction

Directions: Subtract the hours and minutes.

(Remember, I hour equals 60 minutes.) Borrow from the hours if you need to.

Example:

5 70 & hours 10 minutes - 2 hours 30 minutes 3 hours 40 minutes



12 hours - 2 hours 5 hour - 3 hours 2 hours - I hour

5 hours 30 minutes - 2 hours 15 minutes 9 hours 45 minutes - 3 hours 15 minutes

I I hours 50 minutes – 4 hours 35 minutes

12 hours6 hours 30 minutes

7 hours 15 minutes - 5 hours 30 minutes 8 hours 10 minutes - 4 hours 40 minutes

Money: Coins and Dollars



nickel = 5¢ or \$.05

quarter = 25¢ or \$.25

dollar = 100¢ or \$1.00



penny = 1¢ or \$.01



dime = 10¢ or \$.10



half-dollar = 50¢ or \$.50

Directions: Write the amount for each group of money shown. Use a dollar sign and decimal point. The first one is done for you.



\$0.07













Master Skills Math Grade 3

Money: Five-Dollar Bill and Ten-Dollar Bill



Five-dollar bill = 5 one-dollar bills



Ten-dollar bill = 2 five-dollar bills or 10 one-dollar bills

Directions: Write the amount for each group of money shown. Use a dollar sign and decimal point. The first one is done for you.



\$15.00







7 one-dollar bills, 2 quarters _____

2 five-dollar bills, 3 one-dollar bills, half-dollar

Money: Counting Change

Directions: Subtract the money using decimals to show how much change a person would receive in each of the following.

Example:

Bill had 3 dollars.

He bought a baseball for \$2.83.

How much change did he receive?

\$3.00 - \$2.83



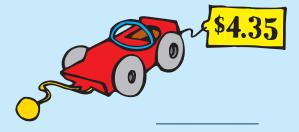
Paid 2 dollars.



Paid I dollar.



Paid 5 dollars.



Paid 10 dollars.



Paid 4 dollars.



Paid 7 dollars.



Money: Comparing

Directions: Compare the amount of money in the left column with the price of the object in the right column. Is the amount of money in the left column enough to purchase the object in the right column? Circle **yes** or **no**.











Yes No





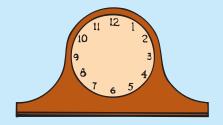




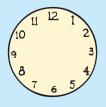


Yes No

Directions: Complete each clock to show the time written below it.







7:15

3:07

6:25

Directions: Write the time using a.m. or p.m.

seven twenty-two in the evening _____

three fifteen in the morning _____

Directions: Write the correct amount of money.









Joey paid \$4.67 for a model car. He gave the clerk a five-dollar bill. How much change should he receive?

Problem-Solving: Addition, Subtraction

Directions: Read and solve each problem. The first one is done for you.



The clown started the day with 200 balloons. He gave away 128 of them. Some broke. At the end of the day, he had 18 balloons left. How many of the balloons broke?

54 balloons

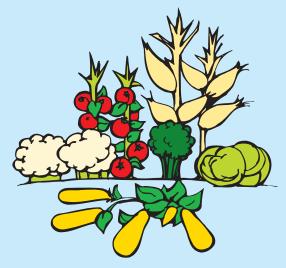
On Monday, there were 925 tickets sold to adults and 1,412 tickets sold to children. How many more children attended the fair than adults?

At one game booth, prizes were given out for scoring 500 points in three attempts. Sydney scored 178 points on her first attempt, 149 points on her second attempt, and 233 points on her third attempt. Did Sydney win a prize?

The prize-winning steer weighed 2,348 pounds. The runner-up steer weighed 2,179 pounds. How much more did the prize steer weigh?

Problem-Solving: Multiplication, Division

Directions: Read and solve each problem.



Jeff and Terry are planting a garden. They plant three rows of green beans with eight plants in each row. How many green bean plants are there in the garden?

There are 45 tomato plants in the garden. There are five rows of them. How many tomato plants are in each row?

The children have 12 plants each of lettuce, broccoli, and spinach. How many plants are there in all?

Jeff planted three times as many cucumber plants as Terry. He planted 15 of them. How many did Terry plant?

Terry planted 12 pepper plants. He planted twice as many green pepper plants as red pepper plants. How many green pepper plants are there?

How many red pepper plants?

Master Skills Math Grade 3

Problem-Solving: Fractions, Decimals

A fraction is a number that names part of a whole, such as $\frac{1}{2}$ or $\frac{1}{3}$. **Directions:** Read and solve each problem. There are 20 large animals on the Browns' farm. $\frac{2}{5}$ are horses, $\frac{2}{5}$ are cows, and the rest are pigs. Are there more pigs or cows on the farm? Farmer Brown had 40 eggs to sell. He sold half of them in the morning. In the afternoon, he sold half of what was left. How many eggs did Farmer Brown have at the end of the day? There is a fence running around $\frac{7}{10}$ of the farm. How much of the farm does not have a fence around it? Write the amount as a decimal.

Mrs. Brown spends $\frac{3}{4}$ of her day working outside and the rest working inside. Does she spend

more time inside or outside?

Problem-Solving: Measurement

Directions: Read and solve each problem.

This year, hundreds of people ran in the Capital City Marathon. The race is 4.2 kilometers long. When the first person crossed the finish line, the last person was at the 3.7 kilometer point. How far ahead was the winner? Dennis crossed the finish line 10 meters ahead of Lucy. Lucy was 5 meters ahead of Sam. How far ahead of Sam was Dennis? Tony ran 320 yards from school to his home. Then, he ran 290 yards to Jay's house. Together, Tony and Jay ran 545 yards to the store. How many yards in all did Tony run? The teacher measured the heights of three children in her class. Marsha was 51 inches tall, Jimmy was 48 inches tall, and Ted was $52\frac{1}{2}$ inches tall. How much taller is Ted than Marsha? How much taller is he than Jimmy?

Problem-Solving: Measurement

Directions: Read and solve each problem.





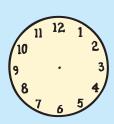


Ralph has \$8.75. He buys a teddy bear and a puzzle. How much money does he have left?

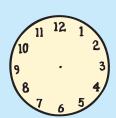
Kelly wants to buy a teddy bear and a ball. She has \$7.25. How much more money does she need?

Kim paid a five-dollar bill, two one-dollar bills, two quarters, one dime, and eight pennies for a book. How much did it cost?

Michelle leaves for school at 7:45 a.m. It takes her 20 minutes to get there. On the clock, draw the time that she arrives at school.



Frank takes piano lessons every Saturday morning at 11:30. The lesson lasts for an hour and 15 minutes. On the clock, draw the time his piano lesson ends. Is it a.m. or p.m.? Circle the correct answer.



Directions: Read and solve each of the problems.



The baker sets out nine baking pans with six rolls on each one. How many rolls are there in all?

A dozen brownies cost \$1.29. James pays for a dozen brownies with a five-dollar bill. How much change does he receive?

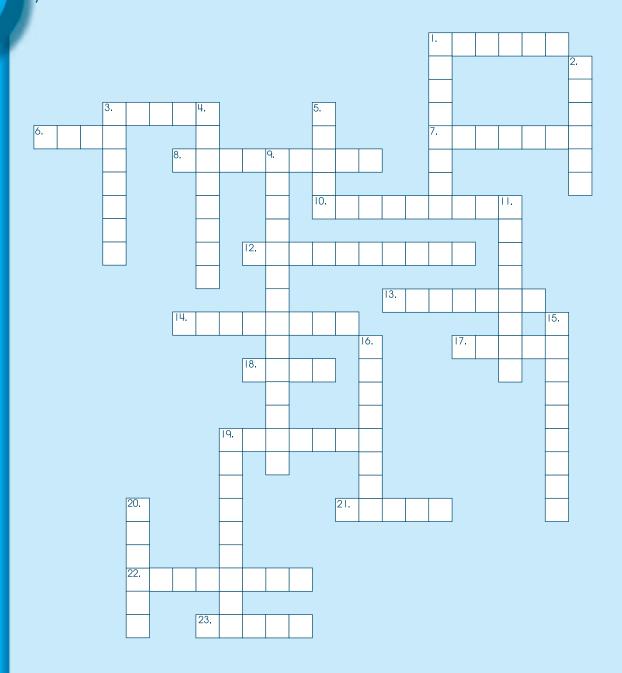
Theresa has four quarters, a nickel, and three pennies. How much more money does she need to buy brownies?

The baker made 24 loaves of bread. At the end of the day, he has $\frac{1}{4}$ left. How many did he sell?

The bakery opens at 8:30 a.m. It closes nine and a half hours later. What time does it close?

Math Terms Crossword

Directions: Use your glossary and the clues on page 99 to help you fill in the words.



Math Terms Crossword

Across:

- 1. 100¢
- Symbols used to write numbers
- A measurement of distance in the standard measurement system that is equal to 1,760 yards
- 7. Part of a line with two end points
- 8. A measurement of distance in the metric system of a great distance
- A figure with four corners and four sides
- Answer in a subtraction problem
- Smaller number that is divided into the dividend
- 14. Answer of a division problem
- 17. A measurement of weight in the standard measurement system of a very light object
- 18. A measurement of distance in the standard measurement system that is equal to 36 inches
- 19. Answer in a multiplication problem
- 21. Two rays with the same end point
- 22. Putting together two or more numbers to find the sum

23. A drawing that shows information about numbers

Down:

- Operation to find out how many times one number is contained in another
- 2. A number multiplied together in a problem
- 3. A number with one or more places to the right
- A figure with three corners and three sides
- A measurement of length in the metric system of a short distance
- 9. A short way to find the sum of adding the same number many times
- 11. A point at the end of a line segment or ray
- 15. The number left over in the quotient
- 16. A number that names part of a whole
- 19. Distance around an object
- 20. A figure with four corners and four sides of equal length

Challenge

Directions: See how many words you can make from the letters in the word **Mathematics**.

Mathematics

For a challenge, time yourself or race another person.

Master Skills Math Grade 3

Directions: Write the number's value in each place: 678,421.

ones

hundred thousands

thousands

hundreds

tens

ten thousands

Directions: Add or subtract. Remember to regroup, if you need to.

Directions: Round to the nearest ten, hundred, or thousand.

72 _____

49 _____ 66 ____

151 _____ 621 ____

Directions: Multiply or divide.

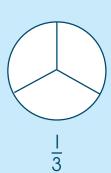
Directions: Divide.

$$\frac{1}{3}$$
 of $12 =$ _____

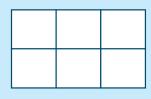
$$\frac{1}{7}$$
 of 28 = _____

$$\frac{1}{3}$$
 of $12 = \underline{\qquad}$ $\frac{1}{9}$ of $45 = \underline{\qquad}$

Directions: Color parts to match the fractions given.



2 4



Directions: Write the decimal for each fraction.

$$3\frac{3}{10} =$$

$$\frac{9}{10} =$$

$$\frac{4}{10} =$$
 $3\frac{3}{10} =$ $21\frac{3}{10} =$

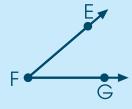
Directions: Add or subtract.

Directions: Write the name for each figure.

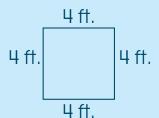


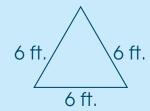




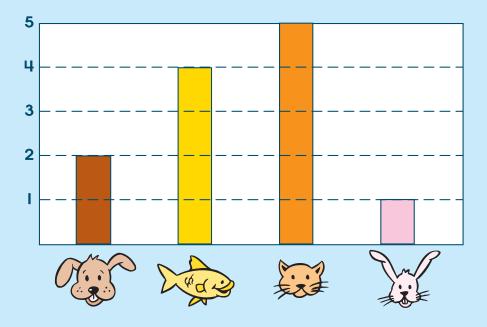


Directions: Find the perimeter of each object.





Directions: Answer the questions.



Which animal is there the most of?

Which animal is there the fewest of?

How many animals altogether?

Directions: Answer the questions.

What unit of measure would you use to measure...

...a cow?

...a mouse?

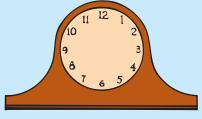
...length of a pencil?

...length of a semi-truck?

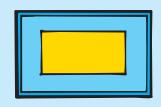
...length of a river?

...width of a river?

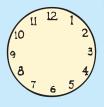
Directions: Complete each clock to show the time written below it.



9:00



10:15



2:35

Directions: Write the time, using a.m. or p.m.

six twenty-two in the evening _____

nine forty-six in the morning

Directions: Add or subtract.

2 hours 15 minutes + 4 hours 30 minutes I hour 30 minutes + 4 hours 30 minutes

12 hours 45 minutes – 4 hours 30 minutes

8 hours 30 minutes - 3 hours 45 minutes

Directions: Write the amount of money.





\$5.00 <u>- 4.67</u> \$6.51 - 2.49

Directions: Read and solve each problem.

Katarina has 12 pieces of cake. After school, she has $\frac{1}{4}$ of the cake left. How much cake was eaten?

Four jars of play dough weigh one pound. How many jars would weigh three pounds?

Glossary

Addition: "Putting together" or adding two or more numbers to find the sum.

Angle: Two rays with the same end point.

Centimeter: A measurement of length in the metric system. There are 2.54 centimeters in an inch.

Decimal: A number with one or more places to the right of a decimal point, such as 6.5 or 3.78. Money amounts are written with two places to the right of a decimal point, such as \$1.30.

Difference: The answer in a subtraction problem.

Digit: The symbols used to write numbers: 0, 1, 2, 3, 4, 5, 6, 7, 8, and 9.

Dividend: The larger number that is divided by the smaller number, or divisor, in a division problem. In the problem $28 \div 7 = 4$, 28 is the dividend.

Division: An operation to find out how many times one number is contained in another number. **Example:** $28 \div 4 = 7$ means that there are seven groups of four in 28.

Divisor: The smaller number that is divided into the dividend in a division problem. In the problem $28 \div 7 = 4$, 7 is the divisor.

Dollar: A dollar is equal to one hundred cents. It is written \$1.00.

End Point: A point at the end of a line segment or ray.

Factors: The numbers multiplied together in a multiplication problem.

Fraction: A number that names part of a whole, such as $\frac{1}{2}$ or $\frac{1}{3}$.

Geometry: The branch of mathematics that has to do with points, lines, and shapes.

Graph: A drawing that shows information about numbers.

Kilometer: A measurement of distance in the metric system. There are 1,000 meters in a kilometer.

Meter: A measurement of length in the metric system. A meter is equal to 39.37 inches.

Mile: A measurement of distance in the standard measurement system. A mile is equal to 1,760 yards.

Glossary

Multiplication: A short way to find the sum of adding the same number a certain amount of times. For example, $7 \times 4 = 28$ instead of 7 + 7 + 7 + 7 = 28.

Ounce: A measurement of weight in the standard measurement system. There are 16 ounces in a pound.

Perimeter: The distance around an object. Find the perimeter by adding the lengths of the sides.

Place Value: The value of a digit, or numeral, shown by where it is in the number.

Product: The answer of a multiplication problem.

Quotient: The answer of a division problem.

Ray: A line segment with only one end point. It goes on and on in the other direction.

Rectangle: A figure with four corners and four sides. Sides opposite each other are the same length.

Regroup: To use 10 ones to form one ten, 10 tens to form one hundred, and so on.

Remainder: The number left over in the quotient of a division problem.

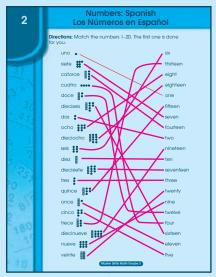
Segment: A part of a line with two end points.

Square: A figure with four corners and four sides of the same length.

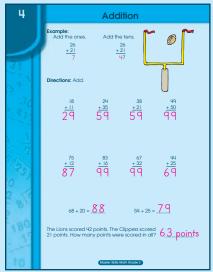
Subtraction: "Taking away" or subtracting one number from another to find the difference.

Triangle: A figure with three corners and three sides.

Yard: A measurement of distance in the standard measurement system. There are three feet in a yard.



2



Ч



Addition: Spanish Add in Spanish!

Addition means: "justing together" or adding two or more numbers to find the sum. For example, 3 + 5 = 8.

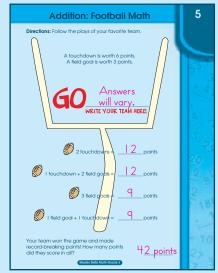
"Más" means plus in Spanish.

Example: uno más tres = 4/1 + 3

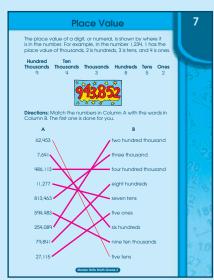
Directions: Add to find the answer.

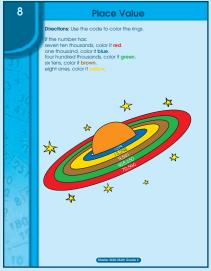
siete más catorace = 21/2 nueve más veinte = 29/2 cuatro más dace = 16/2 once más quince = 26/4 diectseis más das = 18/2 ocho más uno = 9/2 cinco más tres = 8/2 diez más seis = 16/2 tres más diez = 13/2

3

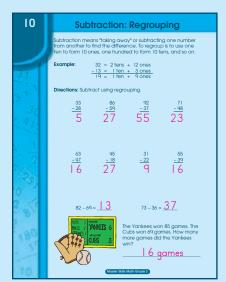


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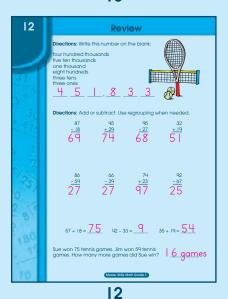




8



10

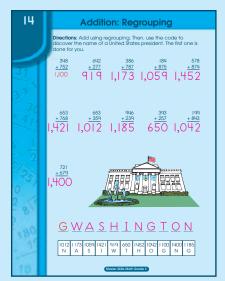


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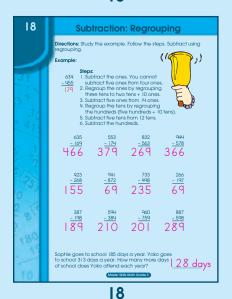


П

	ldition: Reg		13
Directions: Study Example:	the example. Add	using regrouping.	- 1
Add the or Regroup.	nes. Add the ten Regroup.	s. Add the hund	freds.
156 + 267 3	+ 267 + 6		50
4 7 1	9 ⁶⁵⁵ / ₂₉₇ 9 ³ / ₃	783 385 + 169 3 1 5 5 4	A S
²⁹ 46 <u>+12</u> 8 7	81 78 ± 33 92 L	52 49 67 37 +23 +19 †2 105	20 2 2
	Sally went bowling. Sicores of 115, 129, ar What was her total s three games?	nd I03. core for	1 7



16	Addition: Mental Math
	Directions: Try to do these addition problems in your head.
	7 6 8 10 2 1 9 9 12 1
30	10 ±20 ±20 ±100 ±30 ±20 ±20 30 60 180 90 120
25,	500 800 1,200 460 780
180	1,200 4,430 580 8,560 9,950
10	Mostler Skills Moth Grade 3

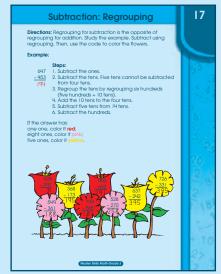


Addition: Regrouping

Direction: Study the example. Add using regrouping.

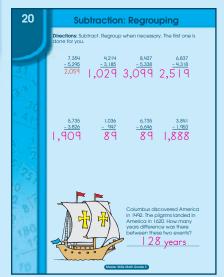
Example:

| Sleps: | 5.356 | 1. Add the cress. | 1. Add the thousands. | 1. Add the tho



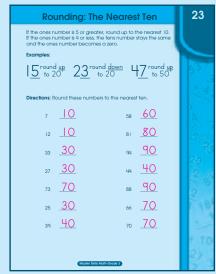


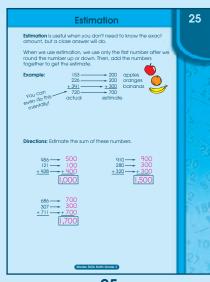


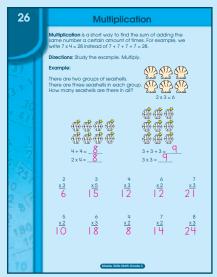




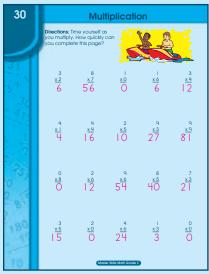


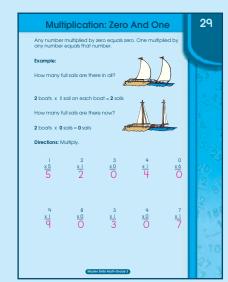




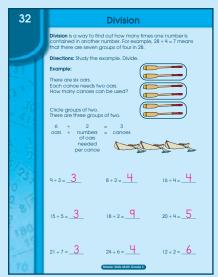


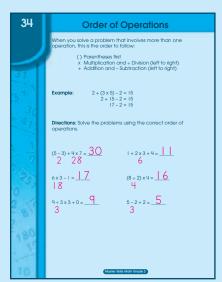
28	Multiplication										
	Factors are the numbers multiplied together in a multiplication problem. The answer is called the product . If you change the order of the factors, the product stays the same.										
SH	Example: There are four groups of fish. There are three fish in each aroup.										
3 * 1	How many fish are there in all? 4 x 3 = 12 factor x factor = product										
30	Directions: Draw three groups of four fish.										
	Drawings will vary.										
2	Compare your drawing and answer with the example. What did you notice?										
200	Directions: Fill in the missing numbers. Multiply. $5 \times 4 = 20 \qquad 3 \times 6 = 8 \qquad 4 \times 2 = 8$										
0	4x5= <u>20</u> 6x3= <u>18</u> 2x4= <u>8</u>										
8/	3 7 2 9 8 x7 x3 x9 x2 x4										
180	$\begin{array}{cccccccccccccccccccccccccccccccccccc$										
70	Master Skills Math Grade S										

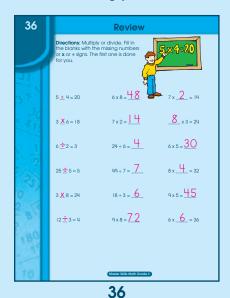


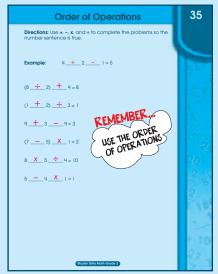


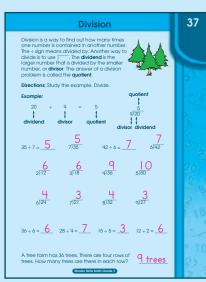
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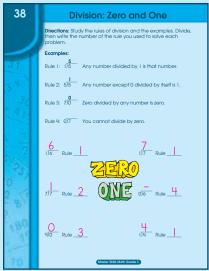




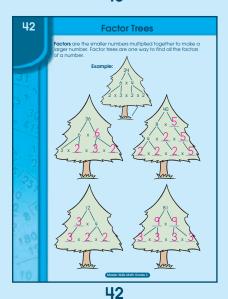












Division: Remainders

Division is a vey to find out how many times one number is contained in another number. For example, 28 + 4 = 7 means that there can seven groups of four in 28. The dividend is the larger number that 5 divided by the smaller number, or divisor. The quotient is the canous in left over. The remainder is otherwise to the divisor is the compound that the divisor.

Directions: Study the example. Find each quotient and remainder.

Example:

There are II dog biscuits.

Part Hermin groups of three

There are II dog biscuits.

Part Hermin groups of three

There are II dog biscuits.

Part Hermin groups of three

There are II dog biscuits.

Part Hermin groups of three

There are II dog biscuits.

Part Hermin groups of three

There are II dog biscuits.

Part Hermin groups of three

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There are II dog biscuits.

Part Hermin groups of three

There are II dog biscuits.

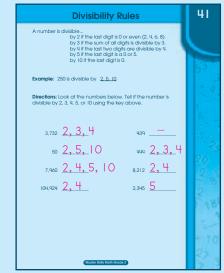
Part Hermin groups of three

There are II dog biscuits.

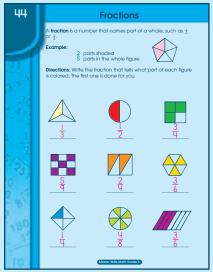
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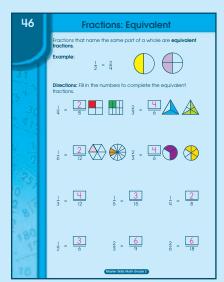
There are II dog biscuits.

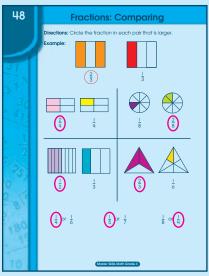
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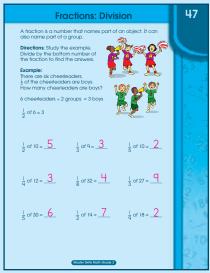


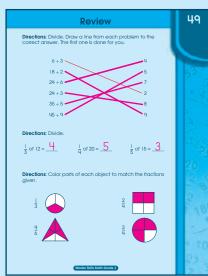


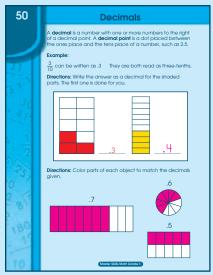


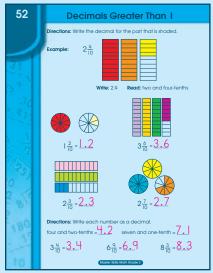


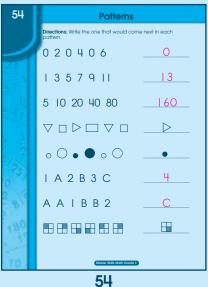


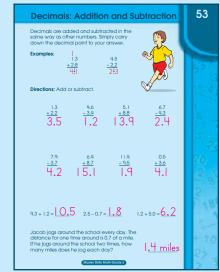






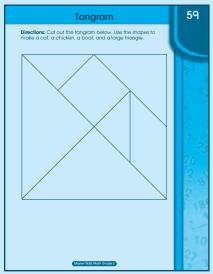


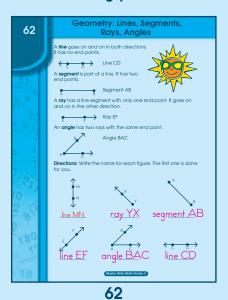






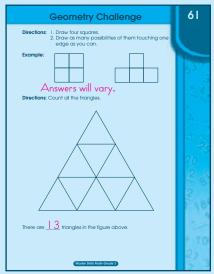


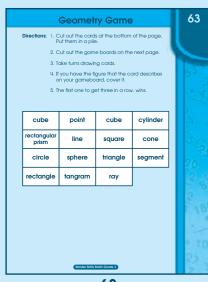


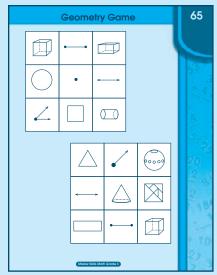


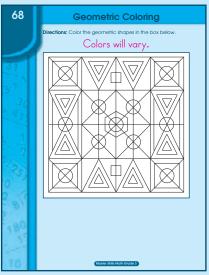
Geometry

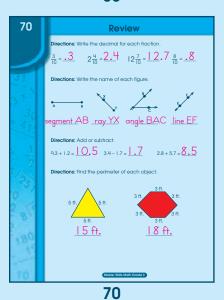
Directions: Cut out the shapes below. Which shapes create a box when folded along the lines?

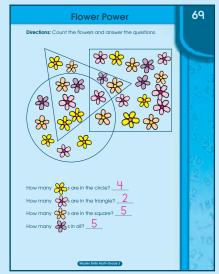


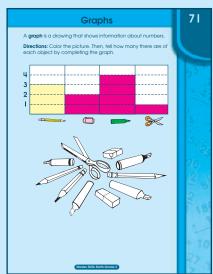


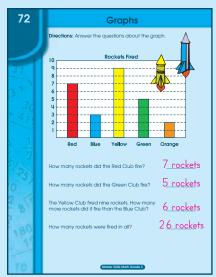




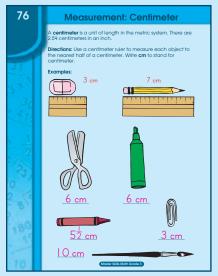


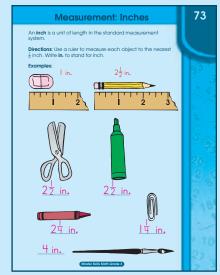


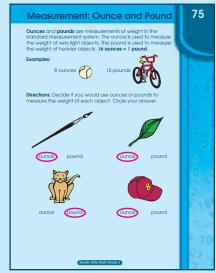




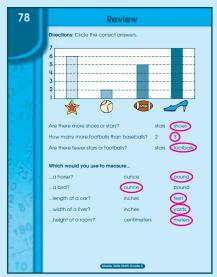


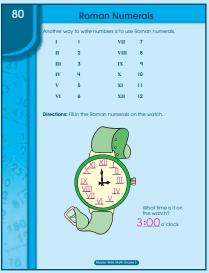


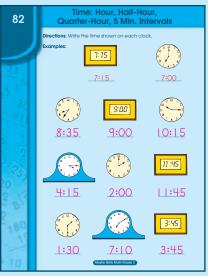












Coordinates

Directions: Locate the points on the grid and color in each box.

What animal did you form?

Answers will vary.

10

9

8

7

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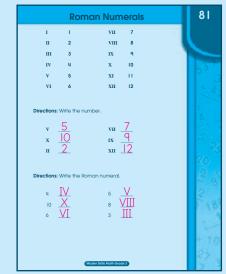
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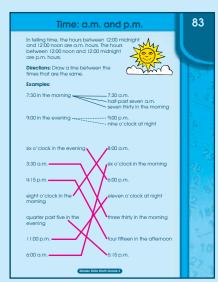
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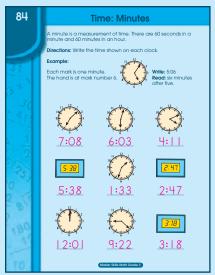
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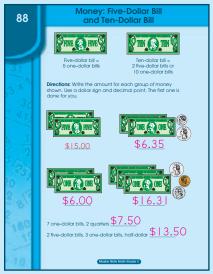
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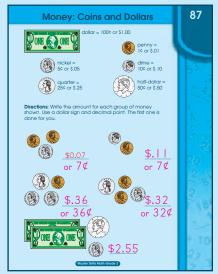


Time: Addition

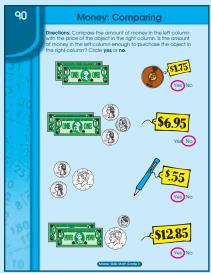
Directions: Add the hours and minutes together. (Remember, I hour equals 60 minutes)

Examples:

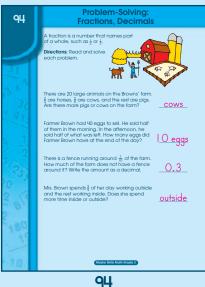
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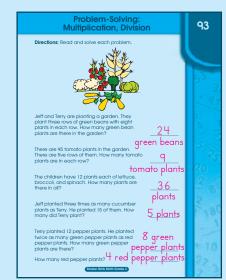








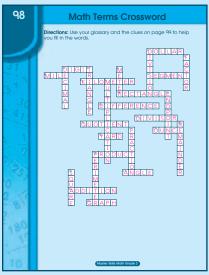




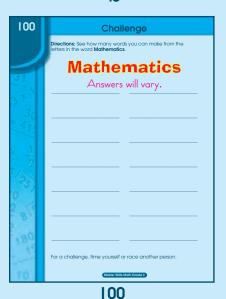




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98



The botter sets out nine botting pans with six rolls on each one. How many rolls are there in ai?

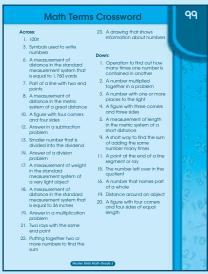
A dozen brownies cost \$1.29. James pays for a dozen brownies with a five-dollar bill. How much change dose he receive?

Theresa has four quarters, a nickel, and three pennies. How much more money does she pennies. How much more money does she need to buy brownies?

The botter made 24 loaves of bread. At the end of the day, he has $\frac{1}{4}$ left. How many did he self?

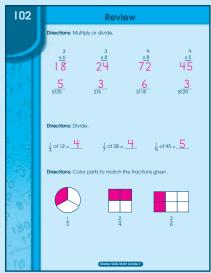
The bottery opens of 8.30 a.m. It closes nine and a half hour later. What filme does it close? 6:00 p.m.

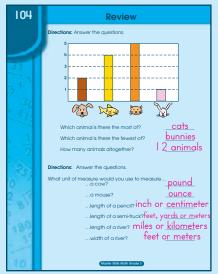
Review



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	Rev	iew		101
8 #	te the number's v nes ousands ins	alue in each pl	d thousands	153
Directions: Ad need to.	d or subtract. Ren	nember to regro	oup, if you	20
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- 683 - 496 87	84 49 ±62 1 95	97 54 + 361 5 1 2	9,731 - <u>4,664</u> 5,067	20
72_70	und to the neares 49.50 296.300	31 <u>30</u>	66_70	
	Moster Skills N	Math Grade 3		25







Directions: Write the decimal for each fraction. $\frac{u}{10} = \frac{1}{1} \qquad 3\frac{3}{10} = 3.3 \qquad \frac{q}{10} = .9 \qquad 21\frac{3}{10} = 21.3$ Directions: Add or subtract. $8.2 + 1.1 = 9.3 \qquad 3.6 - 1.8 = 1.8 \qquad 3.9 + 2.6 = 6.5$ Directions: Write the name for each figure. $\frac{p}{10} = \frac{1}{10} \qquad 3.6 - 1.8 = 1.8 \qquad 3.9 + 2.6 = 6.5$ Directions: Find the perimeter of each object. $\frac{u}{u} = \frac{u}{u} \qquad \frac$



Teaching Suggestions

Money

Talk with your child about different things he or she can do to earn money.



Pose this question to your child: If we did not have money, what would we use to buy things? Tell your child about the Native American system of using wampum as money. Do research together about other monetary systems.

Make money dominoes together.

Let your child practice coins with amounts of money.











Time

Talk with your child about different methods of keeping time, such as clocks, stopwatches, calendars, etc. Let your child make a list of as many ways to keep time as he or she can.

Have your child time how long it takes the family to eat dinner. Have him or her write down the start time, the stop time, and subtract.

Have your child make a time management chart to plan his or her time from after school until bedtime.

Teaching Suggestions

Addition, Subtraction, Multiplication, Division

Have your child compute his or her age in years, in months, and in days. Then, try your age!

Purchase a blank book or notebook to serve as your child's Math Journal. As you complete pages in *Master Skills Math* together, your child can write his or her reflections about what he or she has learned. If your child wants, you can write comments to him or her in the book to give your child positive feedback and reinforce the skill learned.

Talk with your child about how math is used in your profession. Make a list of other occupations, and talk about how math is used in these professions as well.

Imagine that "National Math Day" has become a holiday. Ask your child: If you were in charge of the celebration, what math events would you plan?

Measurement

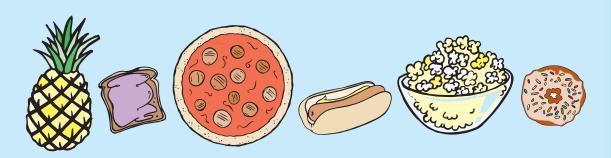
Discuss with your child instruments, other than rulers, that are used to measure (thermometer, calendar, clock, etc.).

Let your child make predictions about the length and weight of various object around your house. Then, have him or her measure the objects to find their actual length or weight. For an extension of this activity, try measuring the same objects with metric measuring tools.

Graphing

Graph the birthdays in your family by the months in which family members were born. Then, ask your child questions to help him or her interpret the graph: In which month(s) do most family members have birthdays? In which month(s) are there the fewest number of birthdays? etc.

Graph the favorite foods of family members, or record the foods your family has eaten over the course of a week, and graph them by food groups. Have your child suggest other things to graph.



Master Skills Math Grade 3

