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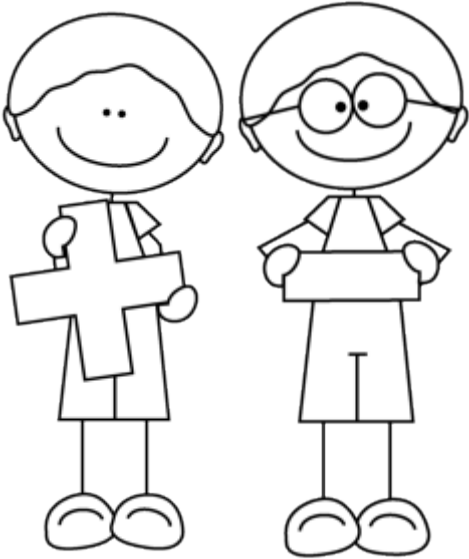
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## Addition & Subtraction

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not included for problems  
where answers will vary

# Addition & Subtraction



By: \_\_\_\_\_

# Addition

The process of combining two or more numbers.

$$3+4=7$$

Draw a picture to show three combined with four.

# Addends

The numbers that are added together.

$$3+4=7$$
Two large, hollow arrows pointing upwards towards the numbers 3 and 4 in the equation  $3+4=7$ .

Circle the addends in the addition problem below.

$$5+7=12$$

# Sum

The total of two or more numbers added together.

$$3+4=7$$
A large, hollow arrow pointing upwards towards the number 7 in the equation  $3+4=7$ .

Circle the sum in the addition problem below.

$$5+7=12$$

# Subtraction

The operation used to find the result of taking away something from a group, or finding parts of a whole.

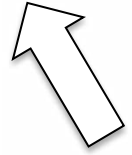
$$7 - 4 = 3$$

Draw a picture to show seven with four taken away.

# Difference

The number that results from subtraction.

$$7 - 4 = 3$$



Circle the difference in the subtraction problem below.

$$12 - 7 = 5$$

# Commutative Property

When two numbers are added together, the sum is the same regardless of the order of the addends.

$$3 + 4 = 7$$

$$4 + 3 = 7$$

$$5 + 3 = 3 + \underline{\quad} \quad 6 + 4 = \underline{\quad} + 6$$

# Associative Property

When three or more numbers are added, the sum is the same regardless of the grouping of the addends.

$$(3 + 4) + 2 = 24$$

$$3 + (4 + 2) = 24$$

$$(5 + 3) + 2 = 5 + (3 + \underline{\quad})$$

# Types of Word Problems



By: \_\_\_\_\_

## Joining Problem Result Unknown

Write a number sentence with an unknown number to represent the problem below.

**Eight boys were playing outside. Five more boys joined them. How many boys are playing outside now?**

## Joining Problem Change Unknown

Write a number sentence with an unknown number to represent the problem below

**Eight boys were playing outside. Some more boys came to join them. Now there are 13 boys playing outside. How many boys joined the first three?**

## Joining Problem Start Unknown

Write a number sentence with an unknown number to represent the problem below

**Some boys were playing outside. Five more boys joined them. Now there are 13 boys playing outside. How many boys were first outside?**

# Removing Problem Result Unknown

Write a number sentence with an unknown number to represent the problem below.

**There were eight pieces of gum. Sally ate three pieces of the gum. How many pieces of gum were left?**

# Removing Problem Change Unknown

Write a number sentence with an unknown number to represent the problem below.

**There were eight pieces of gum. Sally ate some pieces of the gum. There were five pieces of gum left. How many pieces of gum did Sally eat?**

# Removing Problem Start Unknown

Write a number sentence with an unknown number to represent the problem below

**There were some pieces of gum. Sally ate three pieces of the gum. There were five pieces of gum left. How many pieces of gum were there to begin with?**

# Parts & Wholes Total Unknown

Write a number sentence with an unknown number to represent the problem below

**I have six red markers and four green markers. How many markers do I have?**

# Parts & Wholes

## Addend Unknown

Write a number sentence with an unknown number to represent the problem below.

**I had six red markers and some green markers. There are ten total markers. How many green markers do I have?**

# Comparing Problem

## Difference Unknown

Write a number sentence with an unknown number to represent the problem below.

**Mark collected 8 rocks. Jen collected three rocks. How many more rocks did Mark collect than Jen?**

# Comparing Problem

## Smaller Unknown

Write a number sentence with an unknown number to represent the problem below

**There are eight rocks. Mark found five rocks and Jen found the other rocks. How many rocks did Jen find?**

# Comparing Problem

## Bigger Unknown

Write a number sentence with an unknown number to represent the problem below

**Mark has three more rocks than Jen. Mark has eight rocks. How many rocks does Jen have?**

Name \_\_\_\_\_

# Basic Addition 3-Digit



$$\begin{array}{r} 785 \\ + 378 \\ \hline \end{array}$$

$$\begin{array}{r} 628 \\ + 298 \\ \hline \end{array}$$

$$\begin{array}{r} 837 \\ + 359 \\ \hline \end{array}$$

$$\begin{array}{r} 649 \\ + 289 \\ \hline \end{array}$$

$$\begin{array}{r} 579 \\ + 389 \\ \hline \end{array}$$

$$\begin{array}{r} 786 \\ + 389 \\ \hline \end{array}$$

$$\begin{array}{r} 395 \\ + 247 \\ \hline \end{array}$$

$$\begin{array}{r} 568 \\ + 347 \\ \hline \end{array}$$

$$\begin{array}{r} 943 \\ + 456 \\ \hline \end{array}$$

$$\begin{array}{r} 693 \\ + 457 \\ \hline \end{array}$$

$$\begin{array}{r} 754 \\ + 645 \\ \hline \end{array}$$

$$\begin{array}{r} 895 \\ + 233 \\ \hline \end{array}$$

Name \_\_\_\_\_

# Roll and Add



Roll three dice (or one die three times) to make a three-digit number, and write that number in the top boxes. Roll again and write that number on the bottom. Add the two numbers together.













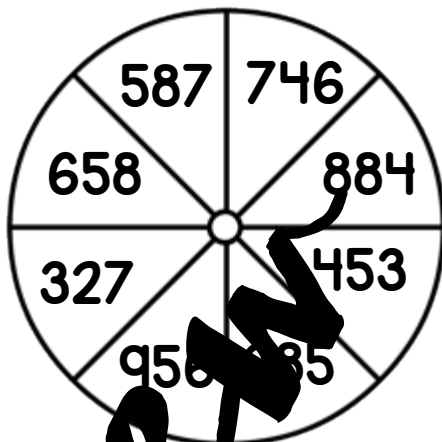
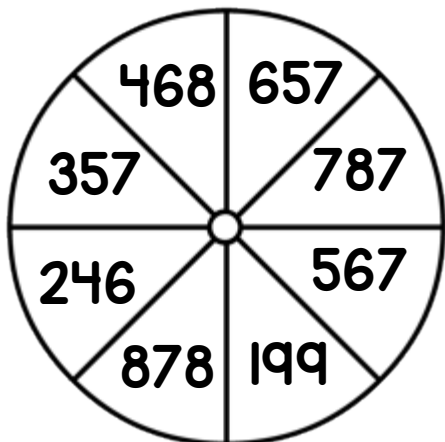
PREVIEW



Name \_\_\_\_\_

# Spin and Add

Spin a number on both spinners and add the two numbers together.



_____	+	_____	=	_____
_____	+	_____	=	_____
_____	+	_____	=	_____
_____	+	_____	=	_____
_____	+	_____	=	_____
_____	+	_____	=	_____
_____	+	_____	=	_____
_____	+	_____	=	_____
_____	+	_____	=	_____
_____	+	_____	=	_____

Work Space

PREVIEW

Name \_\_\_\_\_

# Error Analysis

Little Susie worked so hard on her math problems last night, but she forgot to check her work and made several mistakes. In fact, there is an error in every one of her math problems. It is your job to analyze her work and find her mistakes. Correct the problem with a red pen and explain in words what she did wrong.

	3	4	8
+	8	9	3
1	2	3	1

	7	5	2
+	3	2	8
1	2	8	0

	6	3	8
+	3	8	1
1	0	2	9

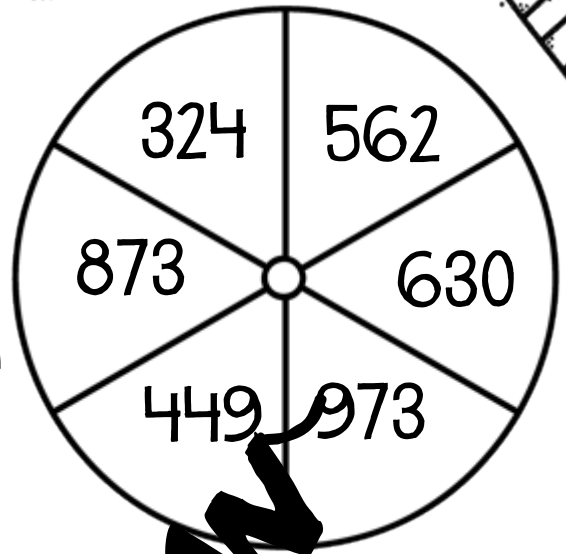


Preview

Name \_\_\_\_\_

# SPIN a SUM

Use a paperclip and pencil to make a spinner. Find an addition number sentence with a sum of the number you spun. Color the sum on the game board. If playing with a partner, the first person to color three in a row wins!



$168+156=$	$415+147=$	$394+236=$	$625+148=$	$402+47=$
$756+117=$	$199+125=$	$315+217=$	$359+271=$	$549+424=$
$293+156=$	$675+98=$	$235+89=$	$328+234=$	$521+109=$
$856+117=$	$225+224=$	$594+279=$	$246+78=$	$459+103=$
$505+125=$	$742+231=$	$315+134=$	$472+401=$	$203+121=$

Name \_\_\_\_\_

# Comparing Numbers



Compare the equations with a  $<$ ,  $>$ ,  $=$  symbol.

$276$ <input type="text"/> $67+98$	$124+189$ <input type="text"/> $315$	$243$ <input type="text"/> $89+134$
$342+287$ <input type="text"/> $521$	$318$ <input type="text"/> $129+245$	$234$ <input type="text"/> $37$ <input type="text"/> $528$
$634$ <input type="text"/> $407+149$	$347+228$ <input type="text"/> $67$	$573$ <input type="text"/> $246+225$
$236+346$ <input type="text"/> $736$	$782$ <input type="text"/> $567+329$	$126+258$ <input type="text"/> $495$
$775$ <input type="text"/> $369+459$	$45$ <input type="text"/> $587$ <input type="text"/> $912$	$674$ <input type="text"/> $348+268$
$136+324$ <input type="text"/> $400$	$395$ <input type="text"/> $236+145$	$592$ <input type="text"/> $237+249$
$743$ <input type="text"/> $345+448$	$444+349$ <input type="text"/> $736$	$529$ <input type="text"/> $229+304$

Name \_\_\_\_\_

# REGROUPING SORT

Solve each addition problem below. Then cut it out and glue the problem underneath the correct heading.

Ones and Tens Place	Tens Place Only	Ones Place Only	No Regrouping

**PREVIEW**

$746+283=$ _____	$267+348=$ _____	$648+336=$ _____	$257+341=$ _____
$457+329=$ _____	$433+254=$ _____	$695+263=$ _____	$359+284=$ _____
$563+236=$ _____	$537+382=$ _____	$673+369=$ _____	$548+236=$ _____

Name \_\_\_\_\_

# Basic Subtraction 3-Digit



$$\begin{array}{r} 423 \\ -239 \\ \hline \end{array}$$

$$\begin{array}{r} 739 \\ -348 \\ \hline \end{array}$$

$$\begin{array}{r} 904 \\ -348 \\ \hline \end{array}$$

$$\begin{array}{r} 533 \\ -347 \\ \hline \end{array}$$

$$\begin{array}{r} 846 \\ -569 \\ \hline \end{array}$$

$$\begin{array}{r} 675 \\ -478 \\ \hline \end{array}$$

$$\begin{array}{r} 954 \\ -369 \\ \hline \end{array}$$

$$\begin{array}{r} 745 \\ -459 \\ \hline \end{array}$$

$$\begin{array}{r} 535 \\ -456 \\ \hline \end{array}$$

$$\begin{array}{r} 428 \\ -369 \\ \hline \end{array}$$

$$\begin{array}{r} 637 \\ -538 \\ \hline \end{array}$$

$$\begin{array}{r} 856 \\ -298 \\ \hline \end{array}$$

PREVIEW

Name \_\_\_\_\_

# Roll and Subtract

Roll three dice and make the largest number possible. Roll again and made the smallest number possible.  
Subtract the smaller number from the larger number.

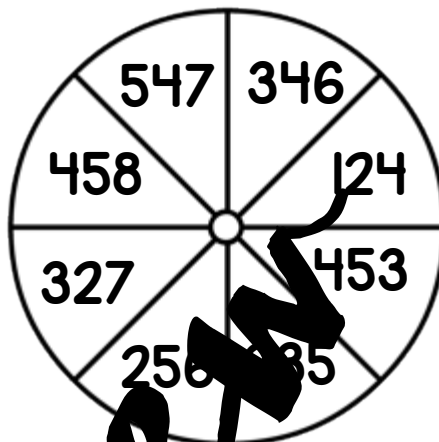
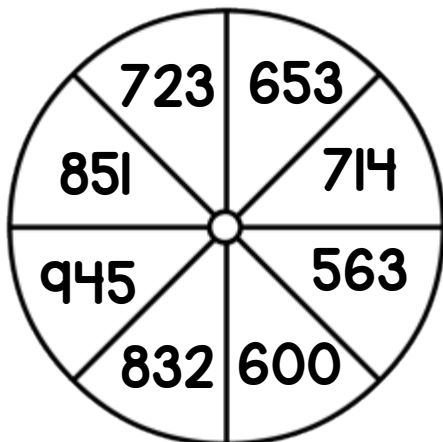
-				-				-			

PREVIEW

Name \_\_\_\_\_

# Spin and Subtract

Spin a number on both spinners and subtract the second number from the first.



_____ + _____ = _____
_____ + _____ = _____
_____ + _____ = _____
_____ + _____ = _____
_____ + _____ = _____
_____ + _____ = _____
_____ + _____ = _____
_____ + _____ = _____
_____ + _____ = _____
_____ + _____ = _____

Work Space

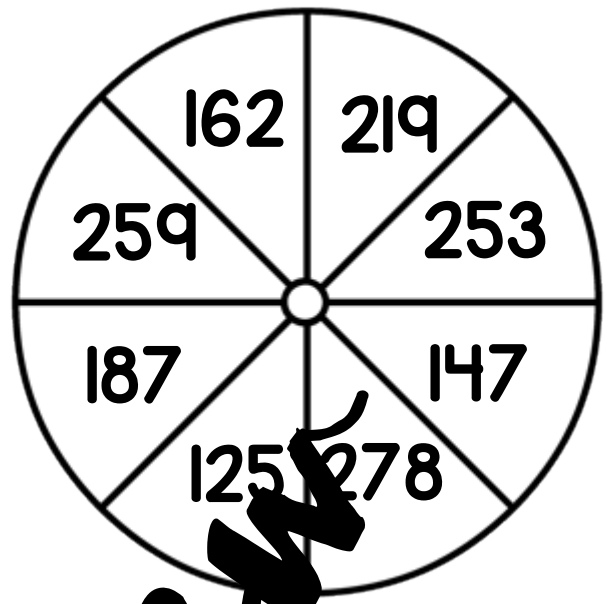
PREVIEW



Name \_\_\_\_\_

# Subtract Across Zero

Spin a number and write that number in the second box. Use subtraction to find the difference of the two numbers.



$$300 - \square = \square$$

$$600 - \square = \square$$

$$800 - \square = \square$$

$$900 - \square = \square$$

$$700 - \square = \square$$

$$500 - \square = \square$$

$$400 - \square = \square$$

Work Space

**PREVIEW**

Name \_\_\_\_\_

# FIND THE FACT FAMILY



Directions: Roll two dice and record the numbers. Use the two numbers to create an addition and subtraction fact family.

Numbers Rolled			
Die 1 _____		Die 2 _____	
Fact Family			

Numbers Rolled			
Die 1 _____		Die 2 _____	
Fact Family			

Numbers Rolled			
Die 1 _____		Die 2 _____	
Fact Family			

Numbers Rolled			
Die 1 _____		Die 2 _____	
Fact Family			

Name \_\_\_\_\_

# Addition & Subtraction Word Problems



Solve each word problem with a number sentence.

1. I had 231 yellow marbles and 187 blue marbles. How many more yellow marbles did I have than blue?

2. I counted 238 pinecones and 377 acorns. How many pinecones and acorns did I count altogether?

3. There were 337 contestants in the race. It was a rainy day, and 129 of the contestants dropped out. How many contestants were still in the race?

4. There were 346 bees in the bee hive and 129 bees searching for food. How many total bees were there?

5. Write an addition word problem.

6. Write a subtraction word problem.