

ADD & SUBTRACT

Decimals & Whole Numbers

No Prep Games

Surfboard Bump

Estimating by Rounding & Using Compatible Numbers



446

Directions:
Spin the spinner to find your problem. Solve the problem and place a chip on the correct surfboard below.
If another player has a chip on that surfboard, you can "bump" their chip off.
When 1 player has 2 chips on a surfboard, it is locked and their chips can't be bumped off. The player with the most surfboards at the end of the game, wins!

Surfboard Bump

Recording Sheet

Name: _____



Estimating by Rounding & using Compatible Numbers

How you estimated the first 6 problems that you solved in this game.

Actual Problem	Estimate
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

2 Actual Problem Estimate

4 Actual Problem Estimate

6 Actual Problem Estimate

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4th
GRADE

For Addition and Subtraction Practice



S'MORE WORDS!

You will need: Dry erase markers, 1 chip per player, recording sheets (1 per player) and pencils

Directions: Player 1 selects a word problem. Both players independently solve the problem and select the strip diagram and equations that represent the problem. Player 1 advances one space for each strip diagram or equation he/she identifies correctly but must move one space backwards for any incorrect strip diagram or equation identified. Player 2 may move forward one space for any strip diagram he/she identifies that Player 1 may have missed for that problem. Players alternate turns. All word problems have 1 strip diagram and 3 different equations that each represent that problem. Stretch your brain and try to find all 4 and move the maximum number of spaces on each turn. Keep in mind that the strip diagrams and equations will be used for more than just one word problem.

A $n = 36 + 12 + 12 + 12 - 18$

B $n + 12 = 36 + 18$

© $n = 36 - 12 - 18$

D $36 + 18 - 12 =$

⑤ $n + 18 = 36 + 12 + 12 + 12$

F $12 + 18 + n = 36$

$$36 + 12 + 12 + 12 - 18 = n$$

$$n = 36 + 18 - 12$$

$$36 - 12 - 18 = n$$

If you land on a  move forward 1 space.

Strip Diagrams

1

36	18
$n + 12$	

2

36	12	12	12
----	----	----	----

n + 18 +

12	18	n
36		

Winner!

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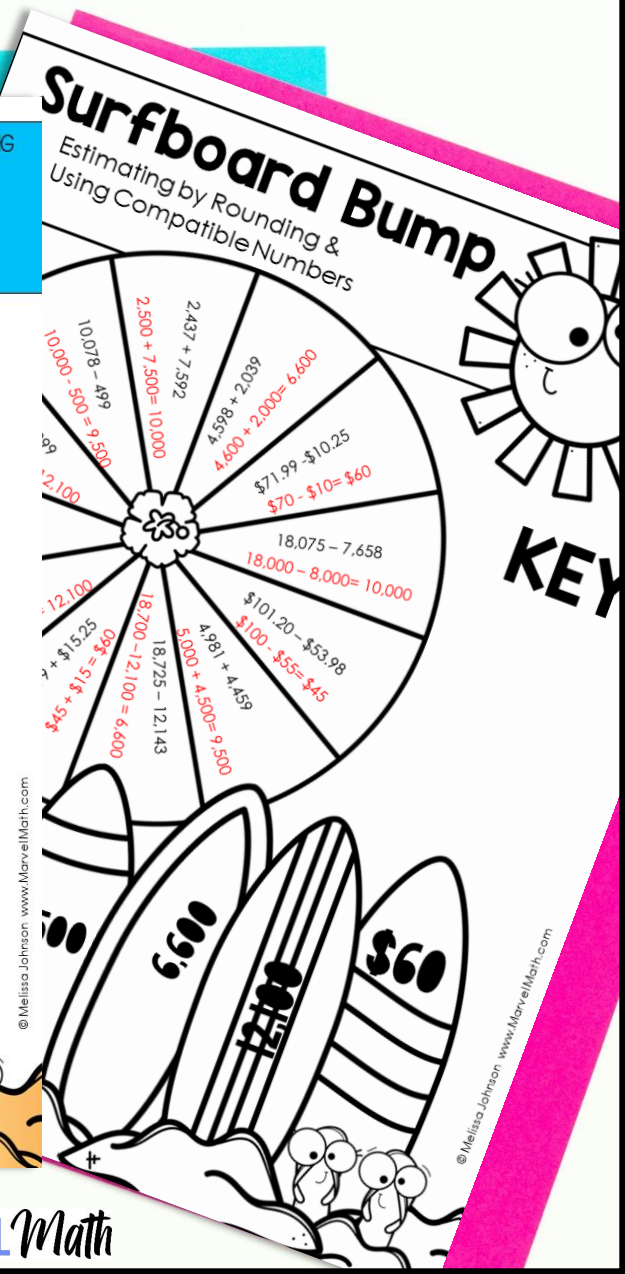
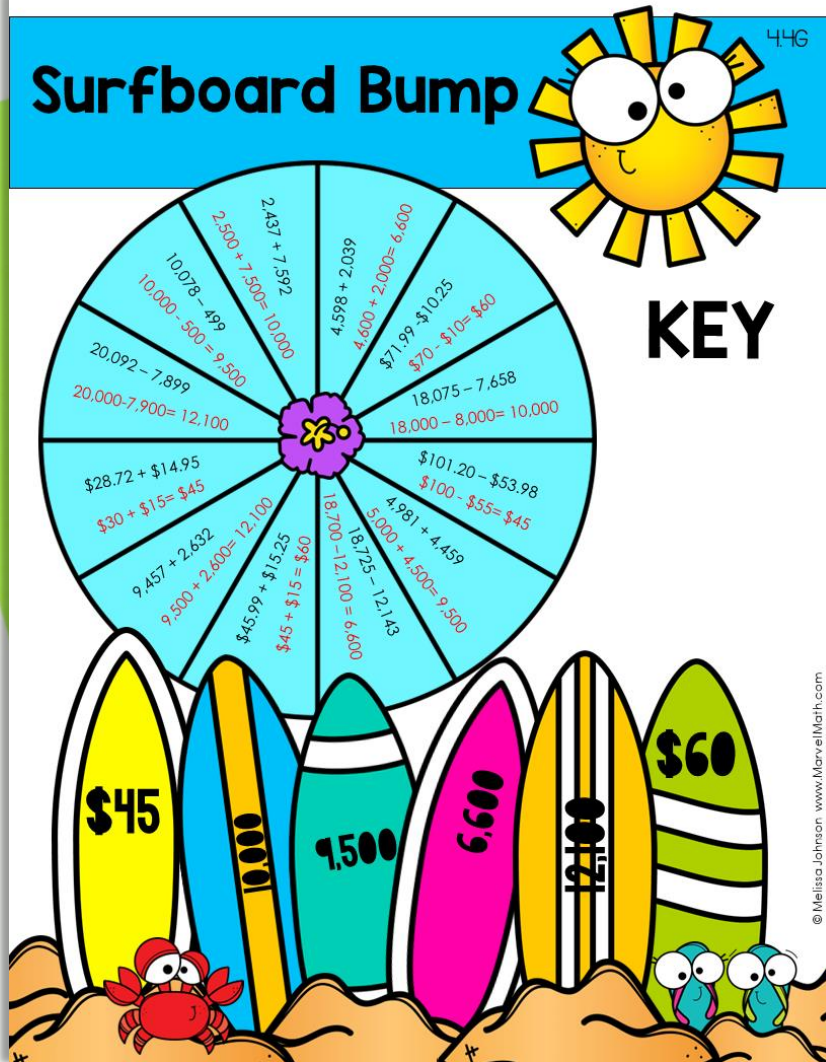
MORE WORD PROBLEMS

Name _____



Keys Included

Great for student self-checking



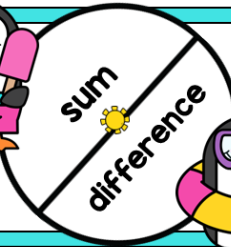
Color and Blackline Versions

For every game

SUMS & DIFFERENCES 4.4A

You will need: Dry erase marker and spinner

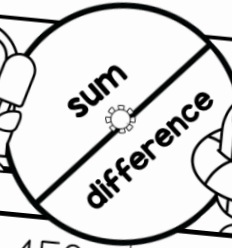
Directions: Select an open box on the gameboard. Spin the spinner to see if you will find the sum or difference of the 2 numbers. Have your partner check your work with the key. If you are correct, erase your work and capture that box by placing an "X" or an "O" over it. Take turns with your partner. The first player to capture 3 boxes in a row wins!



4,387 <u>2,989</u>	490 <u>209</u>	3,459 <u>3,376</u>	1,000 <u>378</u>
10,000 <u>5,708</u>	5,900 <u>4,709</u>	73,507 <u>54,270</u>	7,923 <u>2,270</u>
543 <u>524</u>	90,001 <u>24,788</u>	2,500 <u>499</u>	777 <u>309</u>
2,387 <u>2,089</u>	596 <u>408</u>	6,325 <u>3,879</u>	2,000 <u>848</u>

SUMS & DIFFERENCES Name: _____

Recording sheet



387 <u>89</u>	490 <u>209</u>	3,459 <u>3,376</u>	1,000 <u>378</u>
00 <u>08</u>	5,900 <u>4,709</u>	73,507 <u>54,270</u>	7,923 <u>2,270</u>
3 <u>4</u>	90,001 <u>24,788</u>	2,500 <u>499</u>	777 <u>309</u>
7 <u>9</u>	596 <u>408</u>	6,325 <u>3,879</u>	2,000 <u>848</u>

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Just Print and Play

No cutting needed

S'MORE WORD PROBLEMS



4.5A

You will need: Dry erase markers, 1 chip per player, recording sheets (1 per player) and pencils
Directions: Player 1 selects a word problem. Both players independently solve the problem and select the strip diagram and equations that represent the problem. Player 1 advances one space for each strip diagram or equation he/she identifies correctly but must move one space backwards for any incorrect strip diagram or equation identified. Player 2 may move forward one space for any strip diagram he/she identifies that Player 1 may have missed for that problem. Players alternate turns. All word problems have 1 strip diagram and 3 different equations that each represent that problem. Stretch your brain and try to find all 4 equations that the maximum number of spaces on each turn. Keep in mind that the strip diagrams and equations will be used for more than just one word problem.

Equations

A $n = 36 + 12 + 12 + 12 - 18$

B $n + 12 = 36 + 18$

C $n = 36 - 12 - 18$

D $36 + 18 - 12 = n$

E $n + 18 = 36 + 12 + 12 + 12$

F $12 + 18 + n = 36$

G $36 + 12 + 12 + 12 - 18 = n$

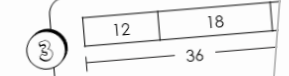
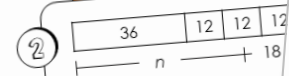
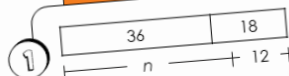
H $n = 36 + 18 - 12$

I $36 - 12 - 18 = n$

Start

If you land on a move Forward 1 space

Strip Diagrams



Winner!

©Melissa



S'MORE WORD PROBLEMS



4.5A

Maya had a total of 36 graham crackers. 12 of the graham crackers were broken, so she threw them away. She gave away 18 of the remaining graham crackers. Find the strip diagram and equations that show ways to find, n , the number of graham crackers Maya has left.



The camp counselor had 36 batteries. He purchased 3 more packages with 12 batteries in each. Then he used 18 batteries to place into flashlights. Find the strip diagram and equations that show ways to find, n , the number of batteries he has left.



The campers need to set up 36 red tents and 18 green tents. They have already set up 12 of the tents. Find the strip diagram and equations that show ways to find, n , the number of tents that still need to be set up.



Benito spotted 18 different species of birds last week. He spotted 12 more species of birds this week. He wants to spot 36 different species of birds. Find the strip diagram and equations that show ways to find, n , the number of species of birds he still needs to find to meet his goal.



Yesterday, the camp had 36 compasses. This morning 18 of the compasses fell off a canoe as campers were crossing a lake. The head counselor then purchased 3 boxes that each contained 12 compasses. Find the strip diagram and equations that show the ways to find, n , the number of compasses the camp has now.



Jonae and Riley are disinfecting the canteens. Jonae has disinfected 12 canteens and Riley has disinfected 18 canteens. The camp has a total of 36 canteens. Find the strip diagram and equations that show the ways to find, n , the number of canteens Jonae and Riley still need to disinfect.



Isabel chopped wood and made 36 logs for a campfire. Ava, Carlos, and Edward all chopped wood and made 12 logs each. They combined their logs and then used 18 logs to start a campfire. Find the strip diagram and equations that show ways to find, n , the number of logs that they have left.



Ethan has hiked 12 miles on a backpacking trail. The backpacking trail is a loop. The first 36 miles are uphill and the last 18 miles are downhill. Find the strip diagram and equations that show the ways to find, n , the number of miles Ethan has left to hike to complete the trail.



Covers All Addition and Subtraction Topics

- ✓ Sums & Differences
- ✓ Whole Numbers & Decimals
- ✓ Estimating by Rounding
- ✓ Using Compatible Numbers
- ✓ Multi-Step Word Problems
- ✓ Strips Diagrams & Equations

About the Author

This resource was created by Melissa Johnson, who has 16 years of k-10 teaching experience and a masters degree in Mathematics Education. Her resources build conceptual understanding, make connections between math topics and engage students in the mathematics they are learning.

