

PLACE VALUE GAMES

Game	TEKS
Place Value Relationships	4.2A
Whole Number Place Value Bingo	4.2B
Comparing Numbers	4.2C
Rounding Races	4.2D
Represent & Compare Decimals	4.2B 4.2E 4.2F 4.2G 4.2H

Rounding Races

Select a number. Round that number to the nearest whole number. Write the number from the spinner in a rectangle in your game board. The first player to the donut wins. Each player partner. The first player to the donut wins. Who wins two out of the three donuts, wins the game. Some numbers do not get to race because they are not one of the three numbers specified.



Rounding Races

Player 1 Starts Here

Player 1 Starts Here

Player 1 Starts Here

Rounds to 500,000 Race

Rounds to 600,000 Race

Rounding Races KEY

Rounds to 400,000

432,000
387,425
449,689

Rounds to 600,000

587,900
564,281
609,325
647,595

Rounds to 500,000

451,600
498,324
538,760

Just Spectators

650,700
349,999

What teachers are saying
about my math games:

"These games are **so easy** to
have the kids do, yet so
engaging and **educational**.
They are cute and engaging.
I HIGHLY recommend these."



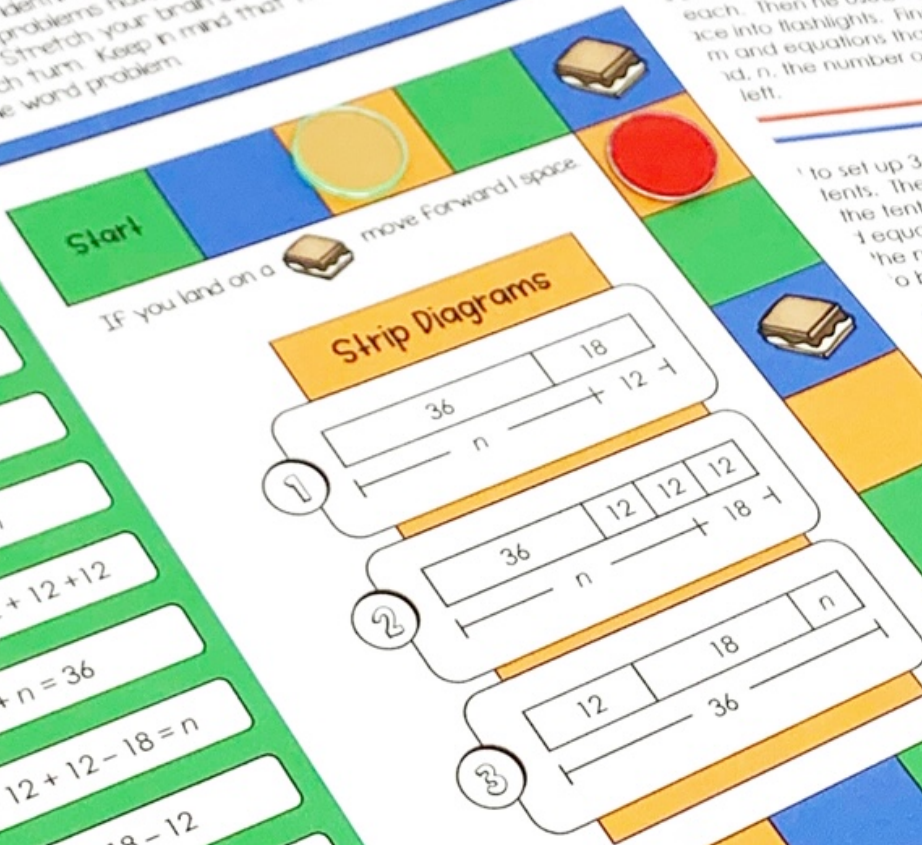
ADDITION & SUBTRACTION GAMES

Game	TEKS
Sums & Differences	4.4A
Surfboard Bump	4.4G
S'more Word Problems	4.5A

WORD PROBLEMS

Each player gets 1 chip per player, recording sheets (1 per player) and pencils. Both players independently solve the problem and write an equation that represents the problem. Player 1 advances one space on the strip diagram or equation that Player 1 advances one space on. If Player 2 identifies the problem correctly, Player 2 may move one space on the strip diagram or equation that Player 2 advances one space on. All word problems have 1 strip diagram and 3 different equations that represent that problem. Stretch your brain and try to find all 4 and 5 different ways to solve for more than just one word problem.

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



MORE WORD PROBLEMS

Maya had a total of 36 graham crackers. She ate 12 of the graham crackers. How many graham crackers does she have left?

Find the strip diagram and equations that represent the problem. Find n , the number of graham crackers Maya has left.

The counselor had 36 batteries. He used 18 batteries to set up flashlights. How many batteries does he have left?

Find the strip diagram and equations that represent the problem. Find n , the number of batteries left.

Yesterday, the camp had 36 campers. The morning 16 campers left off a canoe. How many campers were left? The counselor then purchased 12 campers. How many campers are there now?

Find the strip diagram and equations that represent the problem. Find n , the number of campers.

Jonas and Riley each have 36 canteens. How many canteens do they have in total?

Find the strip diagram and equations that represent the problem. Find n , the total number of canteens.

Jonas wants to set up 36 red tents. He has 18 red tents. How many more red tents does he need?

Find the strip diagram and equations that represent the problem. Find n , the number of tents to be set up.

There are 12 species of birds. He wants 36 more birds. How many birds does he have in total?

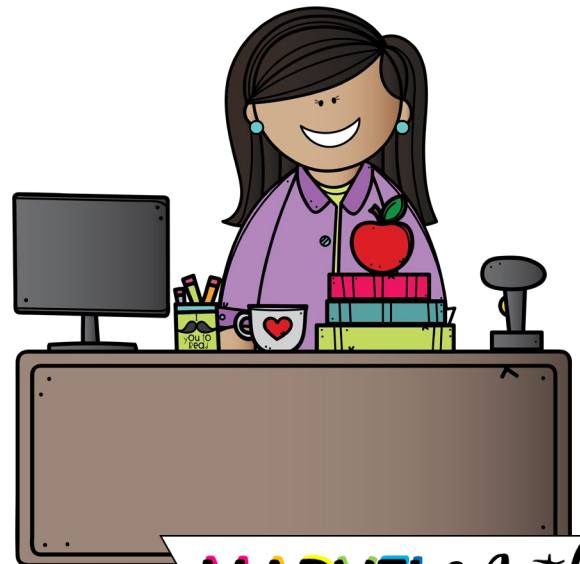
Find the strip diagram and equations that represent the problem. Find n , the total number of birds.

Winner!

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What teachers are saying
about my math games:

"Love it! Purchased and
used in class the next day."



Space Race

x10 & x100 Problems

You will need: 1 die, 2 sets of colored chips (one for each player)
 Instructions: Roll the die to select a planet. Select any problem on that planet and solve it. Use the key to verify your answer. If your answer is correct, put a chip on the star next to your problem. Players alternate turns. When all questions on the board have been answered, calculate the score to see who won the space race. 1 star on a planet: 5 points. 2 stars on a planet: 15 points. 3 stars on a planet: 30 points.

$$508 \times ? = 50,800$$

MERCURY

$$45,050 = ? \times 10$$

$$909 \times 10 = ?$$

VENUS

Venus has been explored by more than 40 spacecraft. 40 is equal to $___ \times 10$.

The highest mountain on Venus is 8,800 m high. $___ \times 10 = 8,800$

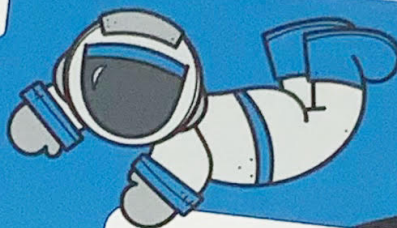
An extremely hot summer day in Arizona reached 47°C . The surface temperature of Venus is 10 times greater than that temperature. What is the surface temperature of Venus?

The diameter of Saturn is about 74,500 miles. $74,500 = ___ \times 100$

The ring system on Saturn is 282,000 m above the surface of the planet in certain places. $___ \times 2,820 = 282,000$

Astronomers have located 82 moons for Saturn. If a satellite took 100 photos of each moon. How many photos would the satellite take?

SATURN



4.4B

JUPITER

A store has 72 space themed puzzles. Each puzzle contains 100 pieces. How many total puzzle pieces are contained in all these puzzles?

Jupiter has 67 moons. A satellite took 10 photos of each moon. How many photos did the satellite take?

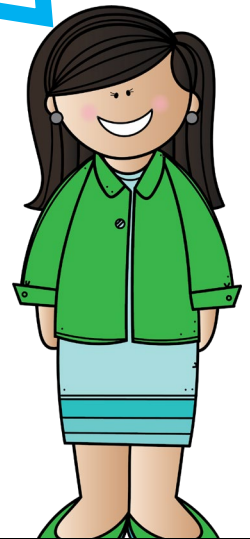
The Great Red Spot is a storm on Jupiter that has been around for centuries. It is 25,000 miles across. Complete the equation: $___ \times 100 = 2,500,000$

VENUS



What teachers are saying
about my math games:

**"Fun games that took no
time to prep! The kids
enjoyed them a lot."**



MULTIPLICATION & DIVISION GAMES

Game	TEKS
Box It Up: 2 x 1 Multiplication	4.4D
Box It Up: 3 x 1 Multiplication	4.4D
Box It Up: 4 x 1 Multiplication	4.4D
Silly Situations: Estimating Products	4.4G
Space Race: x 10 & x 100	4.4B
Multiplication Tic-Tac-Toe	4.4C, 4.4D
Representing Division at the Beach: Arrays, Area Model & Equations	4.4E
Feed Me the Leftovers	4.4F
$2 \div 1$ Division Bump	4.4F
$3 \div 1$ Division Bump	4.4F
$4 \div 1$ Division Bump	4.4F
Shooting Hoops: Multiplication & Division Word Problems	4.4H

44D

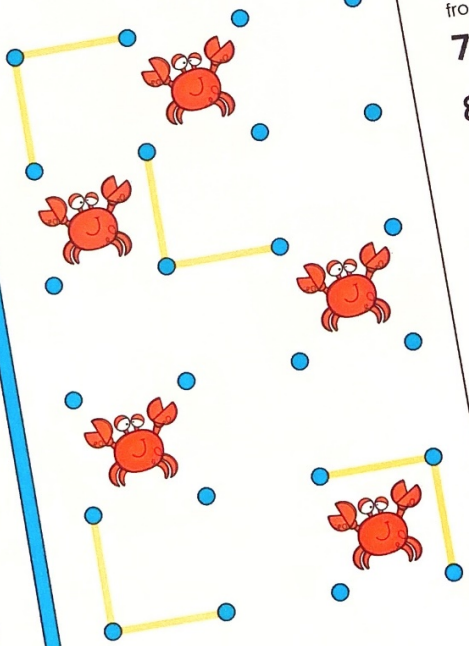
BOX IT UP: 3 X 1 MULTIPLICATION

Directions: Player 1 picks a problem from one of the problem boxes and solves it. Cross out each problem as it is solved. Player 2 uses the key to check the answer. If player 1 is correct, he or she may draw the number of lines specified for that problem. Players will take turns solving problems and drawing lines to connect the dots below. The player that draws the line that closes each square will write his/her initials inside. Each square is worth 2 points. Squares that contain a crab are worth 5 points. The player with the most points at the end of the game is the winner!



Draw 1 line for each correctly solved problem from this box.

- 3 X 454
- 4 X 333
- 2 X 459
- 3 X 582
- 5 X 438
- 2 X 375
- 3 X 594
- 4 X 444
- 5 X 832
- 763



Draw 2 lines for each correctly solved problem from this box.

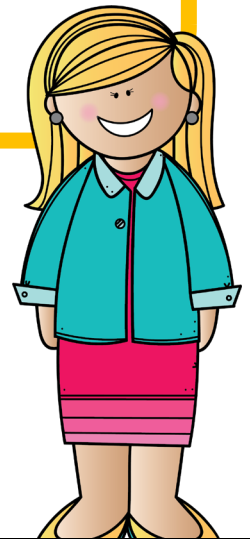
- 7 X 849
- 8 X 951
- 9 X 763
- 6 X 849
- 7 X 849
- 8 X 951
- 9 X 763

BOX IT UP MULTI RECORDING

1
3
5
7
9

What teachers are saying
about my math games:

"We used these games in
the **last couple weeks**
before the STAAR test
and my students loved
them!!"



FRACTION GAMES

Game	TEKS
Fraction & Decimal 3-in-a-Row	4.2G
Fraction & Decimal Bingo	4.2G, 4.2H, 4.3G
Unit Fraction Bump	4.3A
Decompose Fractions	4.3B
Equivalent Fraction Bowling	4.3C
Simplify Fractions to Find Equivalent Fractions	4.3C
Compare Fractions	4.3D
Add & Subtract Fractions	4.3E
Roll to the Top	4.3F
Estimate Your Treasure	4.3F
Fraction Avenue	4.3G

Compare FRACTIONS

You will need: 2 markers or 2 sets of chips, 1 die

Directions: Roll the die to see what fraction you will use. Find an empty box that your fraction could be placed into to make the comparison or statement true. Have your partner check your work with the key. If you are correct, color that square (or place a chip on top of it). Take turns with your partner. The first player to color 3 boxes that touch along any side wins!

 $\frac{1}{3}$	 $\frac{4}{9}$	 $\frac{3}{7}$	 $\frac{5}{10}$	 $\frac{6}{8}$	 $\frac{4}{6}$
---	---	---	--	---	---

$$\square > \frac{4}{7}$$

$$\frac{3}{10} < \square$$

$$\frac{1}{9} < \square < \frac{2}{3}$$

$$\frac{1}{2} < \square < \frac{9}{10}$$

$$\square < \frac{4}{8}$$

$$\frac{4}{8} < \square$$

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

$$\square < \frac{1}{2}$$

$$\frac{1}{2} > \square > \frac{1}{8}$$

$$\frac{1}{3} < \square$$

$$\frac{4}{7} > \square$$

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

$$\frac{1}{2} < \square$$

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

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ESTIMATE YOUR TREASURE 4.3F

Ahoy, matey! Six of your pirate friends have found some great treasure. Spin the spinner to find the problem you will solve and roll the dice to see which pirate(s) the problem is about. Solve the problem and have your partner check your answer using the key. If you are correct, move one space on the game board. Alternate turns until one player reaches the treasure chest to win the game!



About how many pounds of gold coins did Roll the die & find in all?

About how many more pounds of gold coins did Roll the die find than ?

You may need to switch the order of the pirates, so the greater amount is first.

How many pounds of gold will Roll the die have after paying $\frac{2}{4}$ lbs. of gold for a new parrot?

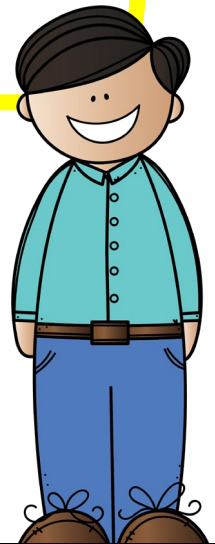
Roll the die found another $1\frac{3}{6}$ pounds of gold. About how many pounds does he/she

Estimate by benchmarking fractions to $0, \frac{1}{4}, \frac{1}{2}, \frac{3}{4}$ or 1

Pirate	Weight of Gold Coins (lbs.)
Blackbeard	$6\frac{3}{7}$
William Kidd	$2\frac{1}{3}$
Henry Morgan	$4\frac{9}{10}$
Calico Jack	$5\frac{4}{8}$
Anne Bonny	$5\frac{4}{9}$
Mary Read	$4\frac{6}{8}$

What teachers are saying
about my math games:

"Loved this resource to
spiral student learning
throughout the year in
stations."



GEOMETRY GAMES

Game	TEKS
Geometry Guess Who	4.6A, 4.6C, 4.6D
Aloha Attribute Race	4.6A
Attribute Battle Level 1	4.6A, 4.6D
Attribute Battle Level 2	4.6A, 4.6C, 4.6D
Lines of Symmetry 4-in-a-Row	4.6B
Triangle Champion	4.6C
Quadrilateral Sort	4.6D
Quadrilateral Bingo	4.6D
Rolling Angles	4.7C
Angle Fishing	4.7D
Spinning Adjacent Angles	4.7E

ANGLE FISHING

- Materials: Protractor, 2 dice, dry-erase marker
1. Roll the Dice to generate two digits. Arrange the dice to make the largest number. This is the angle you can create.
 2. The first player must use the start line as one ray of his/her 1st angle. After the first angle is drawn, players may build off either of the rays. New angles must always share a ray with an already drawn angle. Angles cannot overlap.
 3. When you draw an angle, you catch any fish within that angle. Half or more of a fish must be in your angle to be caught.
 4. Play until the circle is complete or as full as possible.

4.6D

BOARD 1

Not a parallelogram	Polygon
Has 2 acute 2 obtuse angles	2 pairs of parallel sides
Closed	All congruent sides
Has perpendicular sides	4 right angles
Parallelogram	2 sets of parallel sides

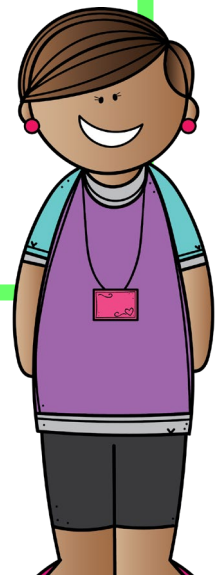
FREE SPACE

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What teachers are saying about my math games:

"Another amazing product from Marvel Math! My kids love your stations and **beg to play** the games. "



MEASUREMENT GAMES

Game	TEKS
Perimeter & Area Bump	4.5C
Perimeter & Area Battle	4.5D
Roll & Spin Rectangles	4.5D
Guess My Measure	4.8A
Boxing Up Conversions Students will use their STAAR chart for this game,.	4.8B 4.8C
Time Machine	4.8C
Elapsed Time	4.8C
Advanced Elapsed Time	4.8C
Prickly Problems: 2-step Problem Solving with Conversions	4.8C

ROLL & SPIN RECTANGLES

Measuring for Perimeter & Area

Spin the spinner to select a rectangle. Use a ruler to measure your rectangle and answer the question. If you are on the end of an arrow, slide to the point.

450

What is the perimeter of rectangle?

What is the area of rectangle?

Cut your rectangle in half. What is the area of one-half rectangle?

Make the length 2 cm and the width 1 cm. What is the perimeter of your rectangle?

What is the difference between the perimeter of a rectangle and the perimeter of a square with a side of 12 cm?

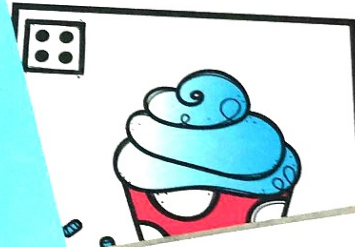
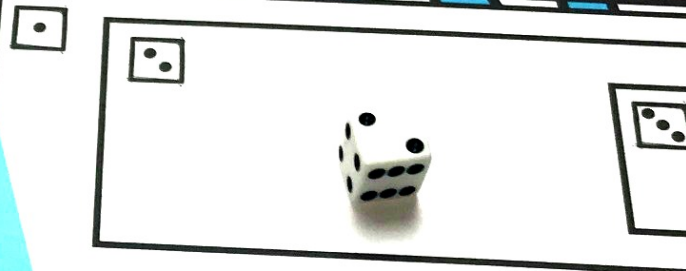
START



ROLL & SPIN RECTANGLES

Measuring for Perimeter & Area

Measure rectangles to the nearest cm.



Roll & Spin Rectangles

rectangle 2
17cm x 6cm

Perimeter = 46cm

$$P = (2 \times L) + (2 \times W)$$

$$(2 \times 17) + (2 \times 6)$$

$$34 + 12$$

$$46$$

What teachers are saying
about my math games:

These games are **so easy
to implement**. Thank you
for sharing your creativity!!



DATA & GRAPHS GAMES

Game	Numbers Used	TEKS
Roll & Spin Stem-and-Leaf Plots	Whole Numbers	4.9A
Roll & Spin Stem-and-Leaf Plots	Fractions	4.9A
Decimal Dot Plot	Decimals	4.9A
Build a Plot	Whole Numbers, Fractions & Decimals	4.9A
Questions About Data using Stem-and-Leaf & Dot Plots	Whole Numbers	4.9B
Data 3-in-a-Row Using Stem-and-Leaf Plots, Dot Plots & Frequency Tables	Fractions & Decimals	4.9B

Roll & Spin STEM-AND-LEAF PLOTS with whole numbers

Roll a die to generate the tens place of your number. Spin the spinner to generate the ones place. Write down your number on the stem-and-leaf plot. If that number is represented on the stem-and-leaf plot, place one of your markers over the leaf. If another player already has a marker on that leaf, you may remove their marker and put yours over it. The winner is the player who controls more leaves when time is up.



STEM		LEAVES	
1	0	7	9
2	2	5	6
3	0	2	7
4	2	2	7
5	5	5	6
6	0	2	5

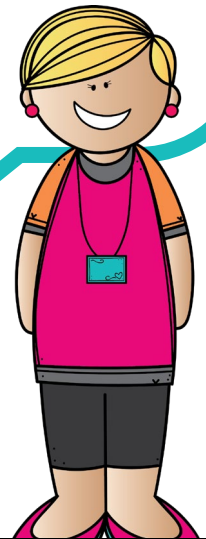


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What teachers are saying
about my math games:

“This made it so **easy to have objectives** in a snap of a finger, for my board, for small group, and for stations!!”

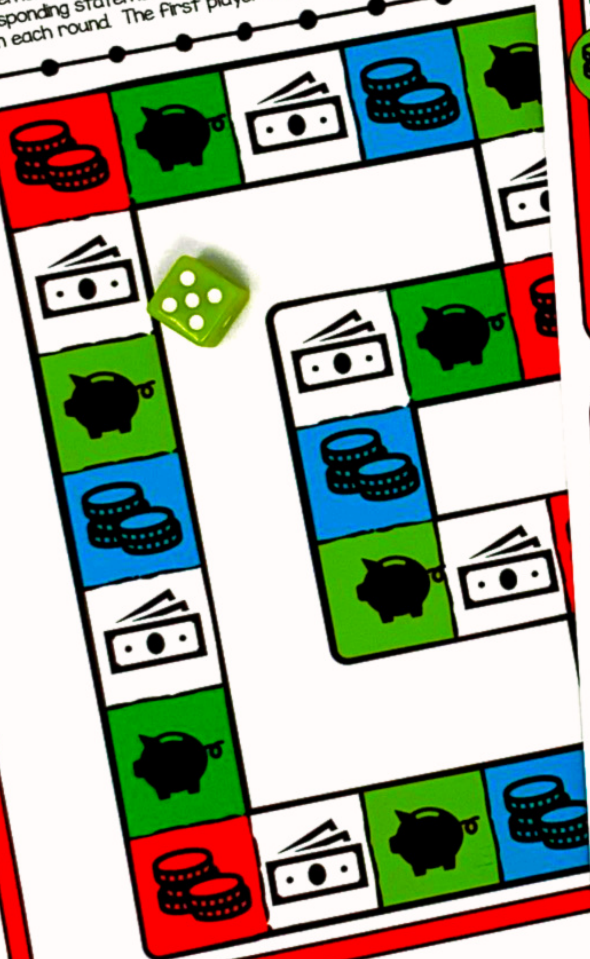


FINANCIAL LITERACY GAMES

Game	TEKS
Calculating Profit	4.10B, 4.4A
Fixed vs. Variable Expenses	4.10A
Money Wise	4.10E

KEY WISE PURPOSE OF FINANCIAL

anywhere on the gameboard. Roll the die and move that many
ements that match the icon on the space you landed on. Roll
esponding statement out loud for all of the players. Record it
each round. The first player to get to 10 points wins!



MONEY WISE

You went to a credit union and opened a savings account. You are earning 1.5% interest on the money deposited into the account. You earn 1 point.

You went to a credit union
ATMs to easily withdraw

You went a bank and of
can use the money fror
without having to write

You went to a savings
better interest rate a

 You went to a bank and
3% interest on the n

 You went to a bank and opened a saving Deposit) to save for

MONEY WISE

• You took your little sister to the bank to deposit the money. You explained to her that if her money is in the bank it will have more money in a year than she has right now.

 You went to an investment company a year ago and bought 100 shares of a stock. The value of the money you invested went up 12% in the year.

You went to an investment company a year ago and bought 100 shares. The value of the money you invested went down 10% in the first year. One-tenth of the money you invested. You don't earn any

4 You took your little brother to the bank to open a bank account for him that banks keep money safe. It is better to have an account than in a piggy bank at home. You earn 2 points.

You have \$8,549 in your savings account at your bank. You have a home loan for \$200,000 from the same bank. The money plus the money in other customers' accounts is pooled together to make loans, such as your parents' home loan. You earn 2

You went to the bank and opened an account to save for college. You plan to deposit money every month. The money you deposit earns 2 points.

MONEY WISE

 You deposited \$100. How much money do you have now? wonder where the money went. How much money do you have now? with money deposited. How much money do you have now? earn 2 points.

 You went to the
teller information
regulates bank
3 points.

 You read you showed that to loan that new business!

 You are going to be with you or Yen. They

 You are st
a credit u
you mone



You just
be depos

MONEY WISE

TRACK YOUR PROGRESS

PLAYER 1

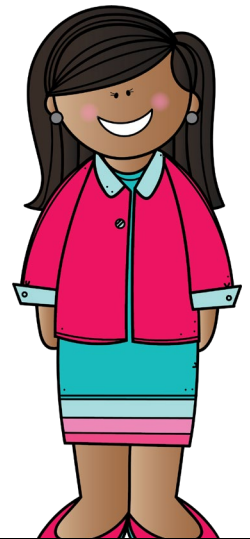
PLAYER 2

PLAYER 3

PLAYER 4

What teachers are saying
about my math games:

"LOVE, LOVE, LOVE this
resource. It is **aligned to
Texas TEKS.**"



HOW CAN I USE THIS RESOURCE?

MATH STATIONS

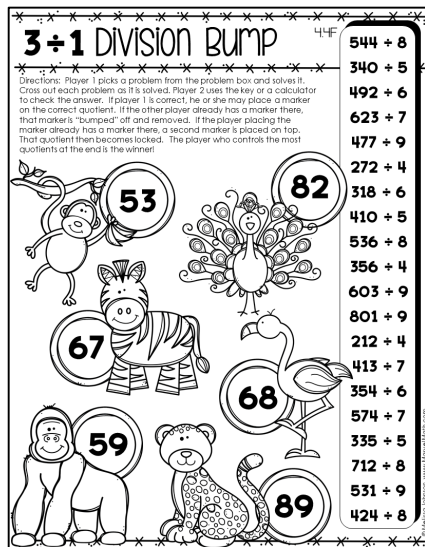
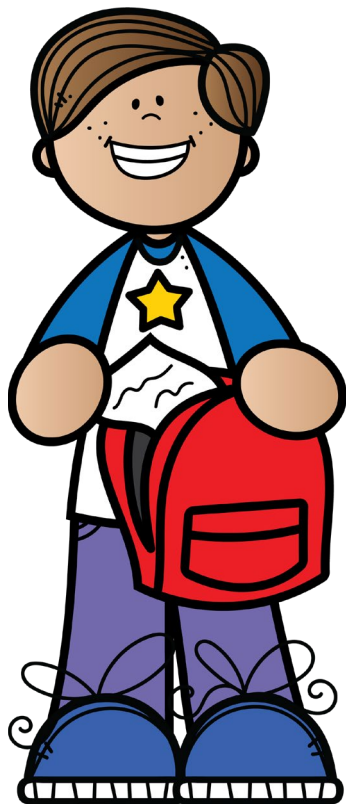


INTERVENTION & TUTORING:

Play against your small group. Think aloud on your turns as part of your mini-lesson.

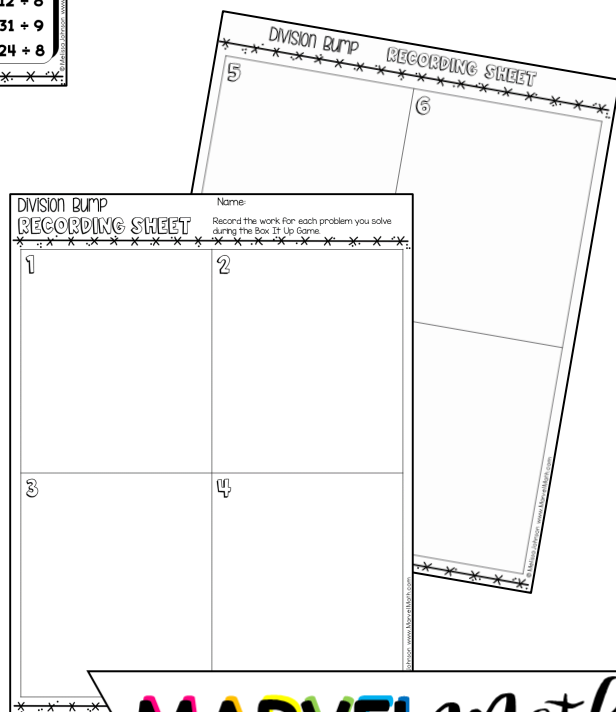


HOW CAN I USE THIS RESOURCE?



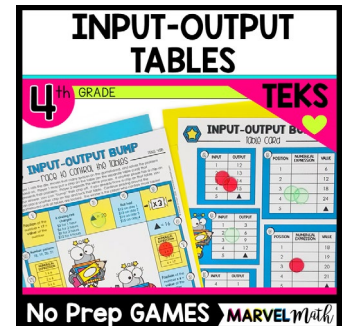
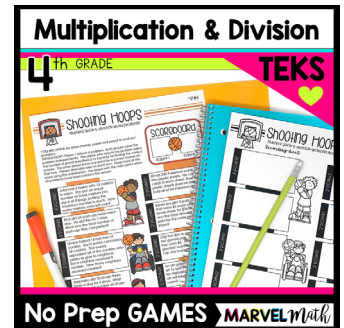
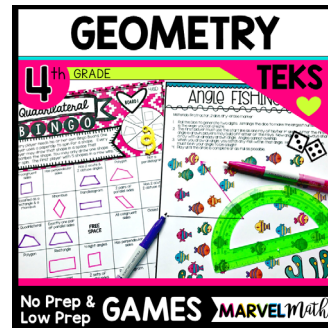
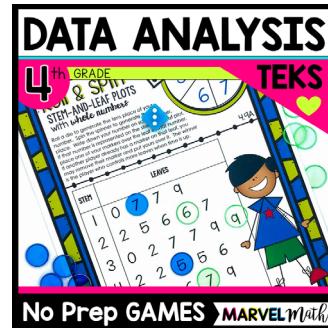
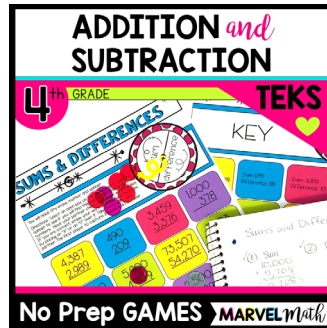
FUN HOMEWORK

Use the included
blackline versions
and recording
sheets.



GAMES FOR ALL THE MATH TEKS!!!

Included in this bundle:



MARVELmath