

# MULTI-STEP WORD PROBLEMS

**Multistep Word Problems**

There are 5,720 buttons in all the rooms at the factory. They are split equally between 8 trucks. 316 buttons fall out of one truck. How many buttons are left in that truck?

First:  $5720 \div 8 = 715$

Then:  $715 - 316 = 399$

There are 7 chandeliers. Each chandelier has 349 crystals. A sixth chandelier has 828 crystals. How many crystals do all of the chandeliers have total?

First:  $349 \times 7 = 2443$

Then:  $2443 + 828 = 3271$

Maria has 3,109 cakes. She buys 4,852 more. Then, she puts 8 tablespoons of icing on each cake. How many tablespoons of icing did she distribute in all?

First:  $3109 + 4852 = 7961$

Then:  $7961 \times 8 = 63,688$

Jamal and Lariah each have \$92,175. Cho has \$16,999. How many fewer dollars does Cho have than Jamal and Lariah combined?

First:  $92,175 + 92,175 = 184,350$

Then:  $184,350 - 16,999 = 167,351$

**My Basketball Court**

To win, you must have 10 items in your basketball court.

**Zoo Word Problems**

Solve each problem below.

Name: **Aika**

1. There are 8 monkeys in the zoo. Each monkey eats 81 bananas. If there were 10,000 bananas in their pen, to start, how many bananas were not eaten?

81  $\times$  8 = 648

10,000 - 648 = 9,352

2. 47 polar bears each jump into a lake 73 times. Another polar bear jumps in 16 times. How many times did they jump in total?

47  $\times$  73 = 3,431

3,431 + 16 = 3,447

3. 3,636 penguins are cleaning their feathers. 1/3 walk off to go swim. The remaining penguins split into 3 groups. How many penguins are in each group?

3,636  $\div$  3 = 1,212

1,212  $\div$  3 = 404

4. Eight elephants ate 5,824 pounds of food. They each ate the same amount. How many pounds did each elephant eat?

5,824  $\div$  8 = 728

5. 682 polar bears from the North and 1381 from the South all have 2 babies each. How many babies did they have in all?

682  $\times$  2 = 1,364

1,364 + 1,381 = 2,745

6. 258 fish are swimming in the lake. 86 are in 3 different tanks in a new fish are added to the lake. How many fish are in the lake now?

258 + 86 = 344

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# MINI LESSON

## Multistep Word Problems

There are 5,720 buttons in all the rooms at the factory. They are split equally between 8 trucks. 316 buttons fall out of one truck. How many buttons are left in that truck?

First:

$$5720 \div 8 = 715$$

$$\begin{array}{r} 715 \\ 8 \overline{) 5720} \\ \underline{56} \phantom{0} \\ 12 \phantom{0} \\ \underline{12} \phantom{0} \\ 0 \end{array}$$

Then:

$$715 - 316 = 399$$

$$\begin{array}{r} 715 \\ - 316 \\ \hline 399 \end{array}$$

Maria has 3,109 cakes. She buys 4,852 more. Then, she puts 8 tablespoons of icing on each cake. How many tablespoons of icing did she distribute in all?

First:

$$\begin{array}{r} 3109 \\ + 4852 \\ \hline 7961 \end{array}$$

Then:

$$\begin{array}{r} 7961 \\ \times 8 \\ \hline 63688 \end{array}$$

There are 7 chandeliers. Each chandelier has 349 crystals. A sixth chandelier has 828 crystals. How many crystals do all of the chandeliers have total?

First:

$$\begin{array}{r} 349 \\ \times 7 \\ \hline 2443 \end{array}$$

Then:

$$\begin{array}{r} 2443 \\ + 828 \\ \hline 3271 \end{array}$$

Jamal and Lariah each have \$92,175. Cho has \$16,999. How many fewer dollars does Cho have than Jamal and Lariah combined?

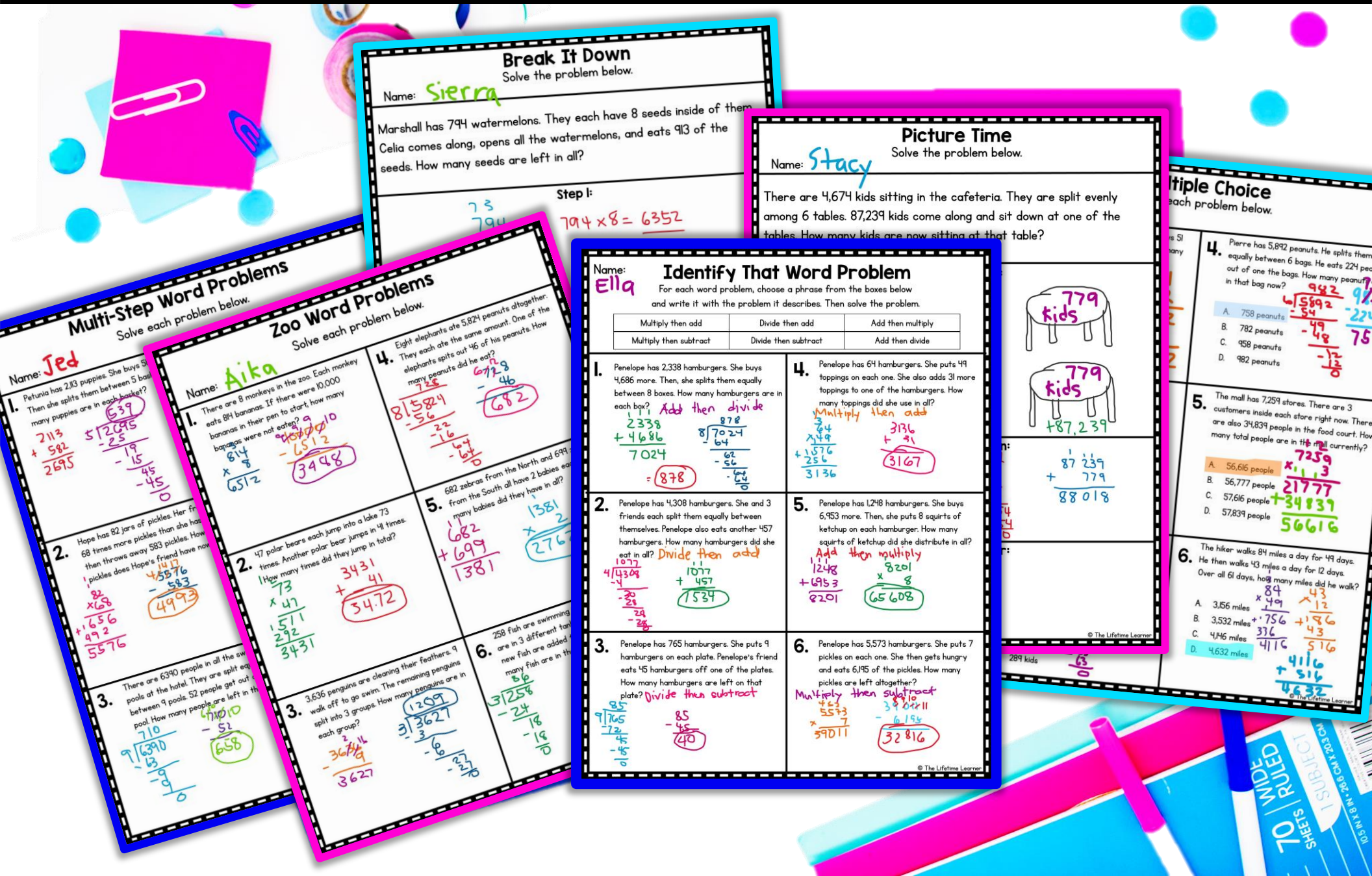
First:

$$\begin{array}{r} 92,175 \\ + 92,175 \\ \hline 184,350 \end{array}$$

Then:

$$\begin{array}{r} 184,350 \\ - 16,999 \\ \hline 167,351 \end{array}$$

# 10 WORKSHEETS



## Multi-Step Word Problems

Solve each problem below.

Name: **Jed**

1. Petunia has 2,113 puppies. She buys 5 more. Then she splits them between 5 baskets. How many puppies are in each basket?

$$\begin{array}{r} 2113 \\ + 5 \\ \hline 2118 \\ \div 5 \\ \hline 423 \end{array}$$

2. Hope has 82 jars of pickles. Her friend has 68 times more pickles than she has. How many pickles does Hope's friend have now?

$$\begin{array}{r} 82 \\ \times 68 \\ \hline 656 \\ + 4960 \\ \hline 5576 \end{array}$$

3. There are 6,390 people in all the swimming pools at the hotel. They are split equally between 9 pools. 52 people get out of the pool. How many people are left in the pool?

$$\begin{array}{r} 6390 \\ \div 9 \\ \hline 710 \\ - 52 \\ \hline 658 \end{array}$$

## Zoo Word Problems

Solve each problem below.

Name: **Aika**

1. There are 8 monkeys in the zoo. Each monkey eats 84 bananas. If there were 10,000 bananas in their pen to start, how many bananas were not eaten?

$$\begin{array}{r} 84 \\ \times 8 \\ \hline 672 \end{array}$$
$$\begin{array}{r} 10000 \\ - 672 \\ \hline 9328 \end{array}$$

2. 47 polar bears each jump into a lake 73 times. Another polar bear jumps in 41 times. How many times did they jump in total?

$$\begin{array}{r} 47 \\ \times 73 \\ \hline 1511 \\ + 1511 \\ \hline 3431 \end{array}$$
$$\begin{array}{r} 3431 \\ + 41 \\ \hline 3472 \end{array}$$

3. 3,636 penguins are cleaning their feathers. 9 are in 3 different tanks. The remaining penguins split into 3 groups. How many penguins are in each group?

$$\begin{array}{r} 3636 \\ \div 3 \\ \hline 1212 \end{array}$$
$$\begin{array}{r} 1212 \\ \div 3 \\ \hline 404 \end{array}$$

4. Eight elephants ate 5,824 peanuts altogether. They each ate the same amount. One of the elephants spits out 46 of his peanuts. How many peanuts did he eat?

$$\begin{array}{r} 5824 \\ \div 8 \\ \hline 728 \end{array}$$
$$\begin{array}{r} 728 \\ - 46 \\ \hline 682 \end{array}$$

5. 682 zebras from the North and 699 from the South all have 2 babies each. How many babies did they have in all?

$$\begin{array}{r} 682 \\ + 699 \\ \hline 1381 \end{array}$$
$$\begin{array}{r} 1381 \\ \times 2 \\ \hline 2762 \end{array}$$

6. 258 fish are swimming in 3 different tanks. 86 new fish are added to each tank. How many fish are in the tanks now?

$$\begin{array}{r} 258 \\ \times 86 \\ \hline 16128 \\ + 20640 \\ \hline 36768 \end{array}$$

## Break It Down

Solve the problem below.

Name: **Sierra**

Marshall has 794 watermelons. They each have 8 seeds inside of them. Celia comes along, opens all the watermelons, and eats 913 of the seeds. How many seeds are left in all?

Step 1:

$$794 \times 8 = 6352$$

## Picture Time

Solve the problem below.

Name: **Stacy**

There are 4,674 kids sitting in the cafeteria. They are split evenly among 6 tables. 87,239 kids come along and sit down at one of the tables. How many kids are now sitting at that table?



$$\begin{array}{r} 87239 \\ + 779 \\ \hline 88018 \end{array}$$

## Identify That Word Problem

For each word problem, choose a phrase from the boxes below and write it with the problem it describes. Then solve the problem.

Name: **Ellie**

|                        |                      |                   |
|------------------------|----------------------|-------------------|
| Multiply then add      | Divide then add      | Add then multiply |
| Multiply then subtract | Divide then subtract | Add then divide   |

1. Penelope has 2,338 hamburgers. She buys 4,686 more. Then, she splits them equally between 8 boxes. How many hamburgers are in each box?

1. Add then divide

$$\begin{array}{r} 2338 \\ + 4686 \\ \hline 7024 \\ \div 8 \\ \hline 878 \end{array}$$

2. Penelope has 4,308 hamburgers. She and 3 friends each split them equally between themselves. Penelope also eats another 457 hamburgers. How many hamburgers did she eat in all?

2. Divide then add

$$\begin{array}{r} 4308 \\ \div 4 \\ \hline 1077 \\ + 457 \\ \hline 1534 \end{array}$$

3. Penelope has 765 hamburgers. She puts 9 hamburgers on each plate. Penelope's friend eats 45 hamburgers off one of the plates. How many hamburgers are left on that plate?

3. Divide then subtract

$$\begin{array}{r} 765 \\ \div 9 \\ \hline 85 \\ - 45 \\ \hline 40 \end{array}$$

4. Penelope has 64 hamburgers. She puts 49 toppings on each one. She also adds 31 more toppings to one of the hamburgers. How many toppings did she use in all?

4. Multiply then add

$$\begin{array}{r} 64 \\ \times 49 \\ \hline 3136 \\ + 31 \\ \hline 3167 \end{array}$$

5. Penelope has 1,248 hamburgers. She buys 6,953 more. Then, she puts 8 squirts of ketchup on each hamburger. How many squirts of ketchup did she distribute in all?

5. Add then multiply

$$\begin{array}{r} 1248 \\ + 6953 \\ \hline 8201 \\ \times 8 \\ \hline 65608 \end{array}$$

6. Penelope has 5,573 hamburgers. She puts 7 pickles on each one. She then gets hungry and eats 6,194 of the pickles. How many pickles are left altogether?

6. Multiply then subtract

$$\begin{array}{r} 5573 \\ \times 7 \\ \hline 39011 \\ - 6194 \\ \hline 32816 \end{array}$$

## Multiple Choice

Each problem below.

4. Pierre has 5,892 peanuts. He splits them equally between 6 bags. He eats 224 peanuts out of one of the bags. How many peanuts are left in that bag now?

- A. 758 peanuts  
B. 782 peanuts  
C. 958 peanuts  
D. 982 peanuts

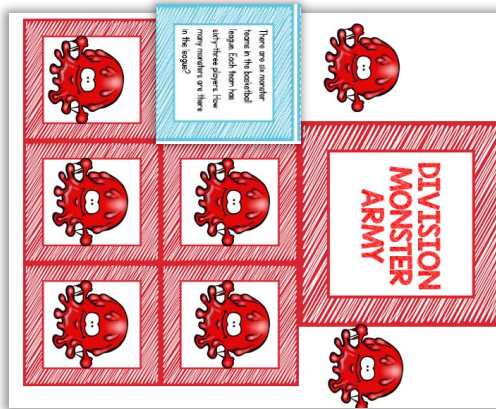
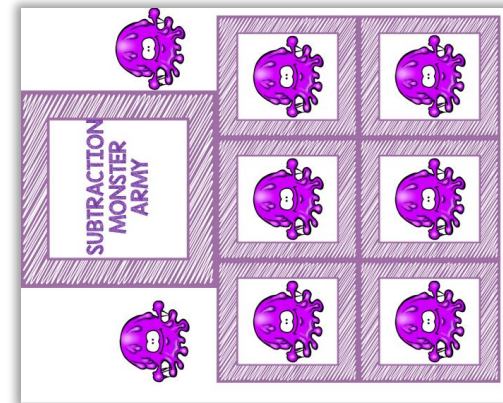
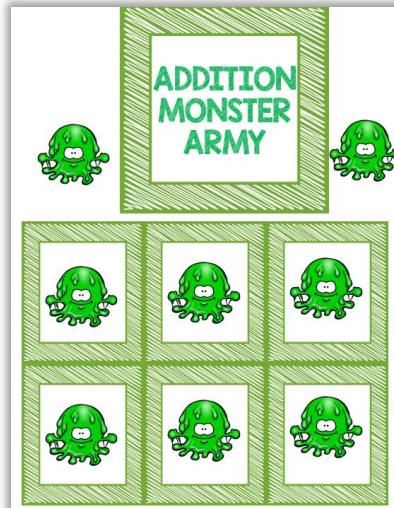
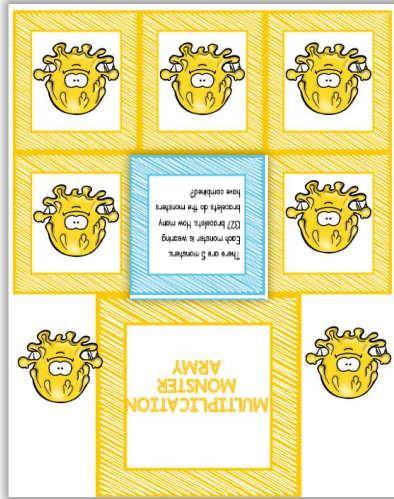
5. The mall has 7,259 stores. There are 3 customers inside each store right now. There are also 34,839 people in the food court. How many total people are in the mall currently?

- A. 56,616 people  
B. 56,777 people  
C. 57,616 people  
D. 57,839 people

6. The hiker walks 84 miles a day for 49 days. He then walks 43 miles a day for 12 days. Over all 61 days, how many miles did he walk?

- A. 3,156 miles  
B. 3,532 miles  
C. 4,146 miles  
D. 4,632 miles

# MONSTER RACE



Students compete to see who can collect all of the monsters that belong to them first.

# MATCHING GAME

Match up each kid  
with the correct sign.

Ricky has 3,654 hangers. He splits them into 7 different piles. How many hangers are in each pile if he throws away 226 broken hangers from each pile?

5 MILES FROM CAMP

296

Marley has 19,969 apples. He gets rid of 2,693 of them that have bruises. He then splits them between 7 friends. How many apples did each friend receive?

2 MILES FROM CAMP

2,468

Jason has 9,827 markers. He has to throw away 1,835 of them because they run out of ink. He splits the rest of them into two piles. How many are in each pile?

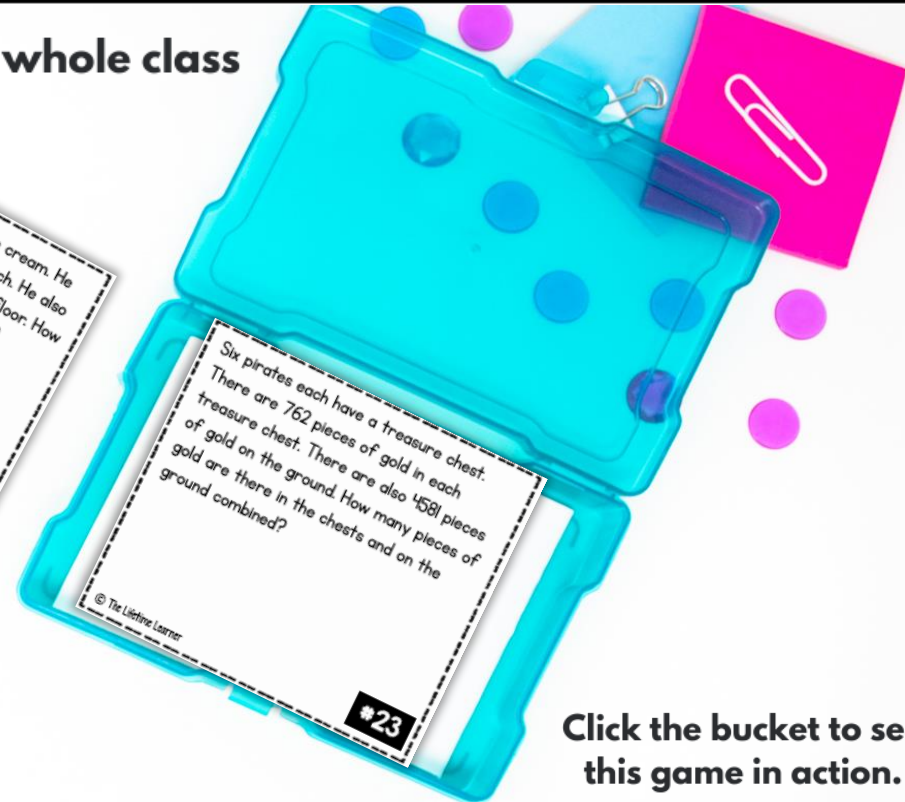
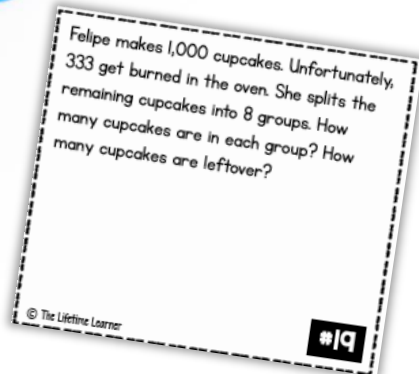
1 MILE FROM CAMP

3,996

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# GAME #1

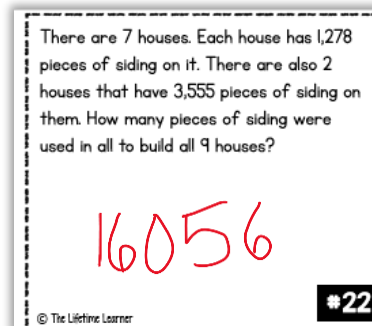
the perfect game to play with the whole class



Click the bucket to see this game in action.

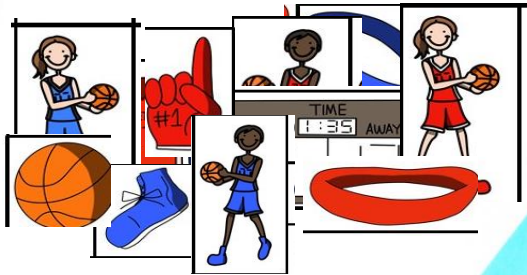
## HOW TO PLAY:

1. Students answer task cards.
2. If they get it right, they drop it in the bucket.
3. Students play for a set amount of time.
4. At the end of gameplay, the teacher draws task cards out of the bucket.
5. Any student whose task card gets pulled out gets a small prize.



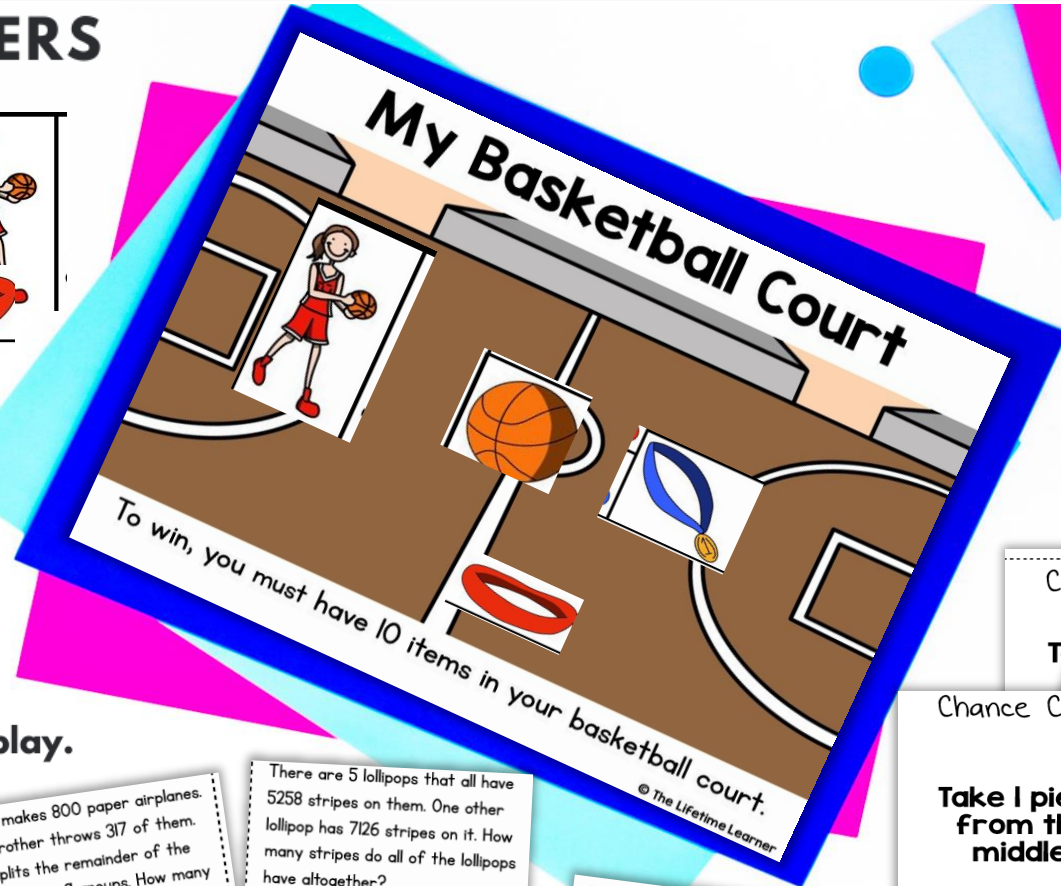
# GAME #2

FOR 2-4 PLAYERS



## HOW TO PLAY:

1. All players receive a game mat.
2. Students answer a question card.
3. If they are correct, they earn an item.
4. The first person to earn 10 items wins.
5. Chance cards included to spice up gameplay.



#1  
Laura makes 800 paper airplanes. Her brother throws 317 of them. She splits the remainder of the airplanes into 9 groups. How many airplanes are in each group? How many airplanes are left over?

There are 5 lollipops that all have 5258 stripes on them. One other lollipop has 7126 stripes on it. How many stripes do all of the lollipops have altogether?

#3  
There are 71 lamps in the house. There are 32 lightbulbs in each one. Someone takes away 455 of the lightbulbs out and throws them away. How many lightbulbs are still in the house?

1817

#4  
Four cabinets each have 566 plastic containers inside. There are also 2589 plastic containers on the ground. How many more plastic containers are on the ground than in the cabinets?

Chance Card!

To

Chance Card!

Chance Card!

Take 1 piece from the middle.

Take a piece from the middle and give it to the other player.

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# GAME #3

Place a football in the middle of your field. Move the football forward or backward depending on if the question is answered correctly.

#1

There are 9 teams in the football league. There are 928 players on each team. There are also 5,294 players on the sidelines. How many players are there in all?



#4

You take 3 water breaks during the game. During each break, you take 4,922 sips of water. You also get 834 sips of water during halftime. How many sips did you take total?



#6

The fans scream for 5 minutes each time your team gets a touchdown. If you score 635 touchdowns in the first half and 2,482 times in the second half, how many minutes will they be screaming?

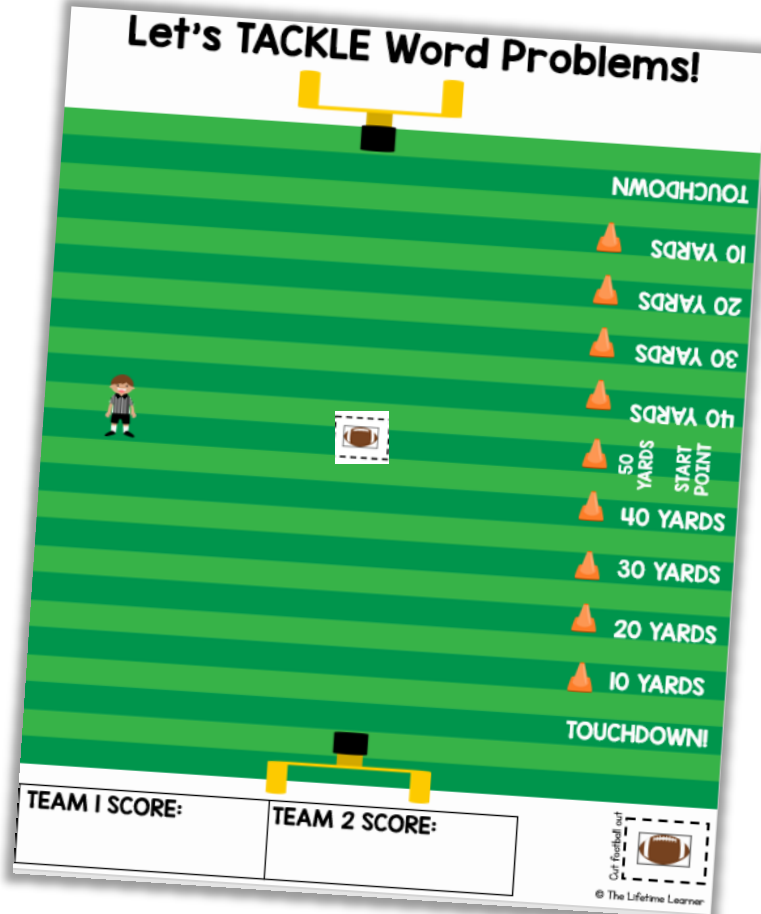


#5

The quarterback threw the ball 928 yards twice in a row. Then he threw the ball 635 yards twice in a row. How far did the ball go?



## Let's TACKLE Word Problems!



TOUCHDOWN

10 YARDS

20 YARDS

30 YARDS

40 YARDS

50 YARDS START POINT

40 YARDS

30 YARDS

20 YARDS

10 YARDS

TOUCHDOWN

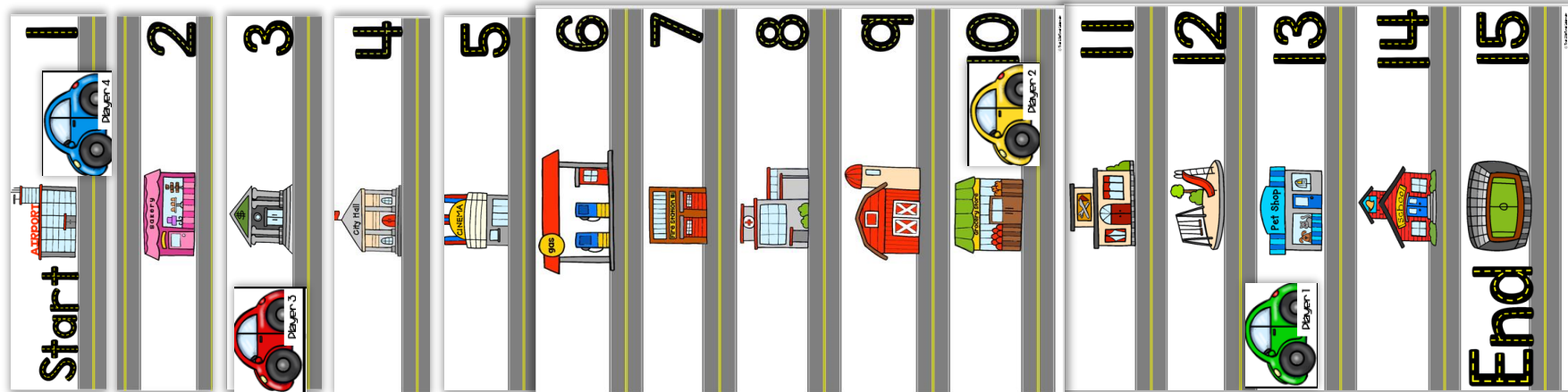
TEAM 1 SCORE:

TEAM 2 SCORE:

Get football out!

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# GAME #4



Be the first one to the football stadium.  
After answering each question, pull a  
traffic light out to see how far to move.



# BUY THE BUNDLE AND SAVE BIG!

## 4TH GRADE MATH BUNDLE

**Partial Products**  
Name: *ericka*  
Use your knowledge of partial products to solve each equation.

1. Equations:  $2 \times 5,096$   
 $5000 \times 2 = 10000$   
 $0 \times 2 = 0$   
 $90 \times 2 = 180$   
 $6 \times 2 = 12$

2. Equations:  $4 \times 8,923$   
 $8000 \times 4 = 32000$   
 $900 \times 4 = 3600$   
 $20 \times 4 = 80$   
 $3 \times 4 = 12$

3. Equations:  $8 \times 5,624$   
 $5000 \times 8 = 40000$   
 $600 \times 8 = 4800$   
 $20 \times 8 = 160$   
 $4 \times 8 = 32$

4. Equations:  $5 \times 2,089$   
 $2000 \times 5 = 10000$   
 $0 \times 5 = 0$   
 $80 \times 5 = 400$   
 $9 \times 5 = 45$

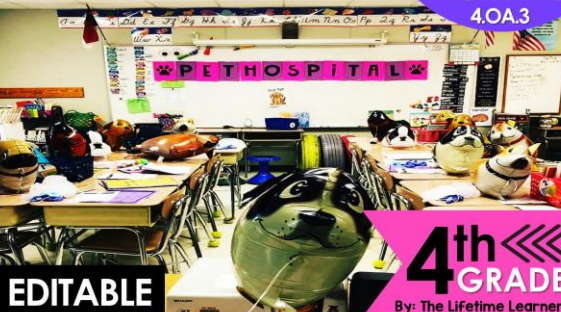
**My Space Scene**  
To win, you must have 10 items in your space scene.  
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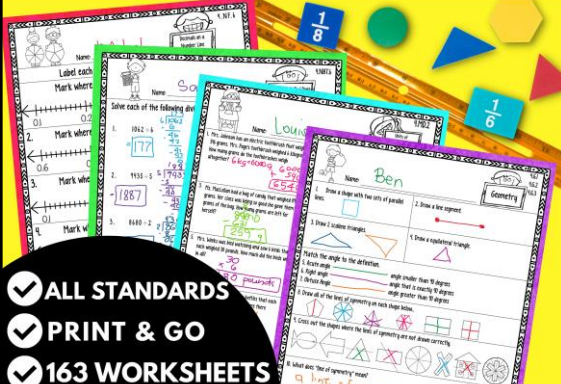
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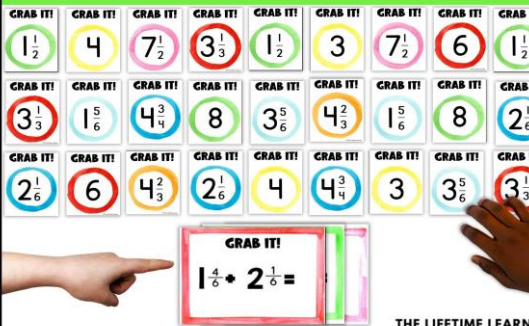
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