

# MULTIPLICATION & DIVISION WORD PROBLEMS



# MINI LESSON

## Multiplication & Division Word Problems

Jamal has 32 muffins. He splits the muffins into 8 baskets equally. How many muffins are in each basket?



$$32 \div 8 = \boxed{4}$$

Amy has 5 ice cream cones. She puts 3 scoops of ice cream on each cone. How many scoops did she use?



3, 6, 9, 12, 15

$$5 \times 3 = \boxed{15}$$

Jamal has 56 forks in his silverware drawer. He is going to polish 7 a day until they are all clean. How many days will it take to clean them all?

$$56 \div 7 = 8$$

$$49 - 7 = 42$$

$$42 - 7 = 35$$

$$35 - 7 = 28$$

$$28 - 7 = 21$$

$$21 - 7 = 14$$

$$14 - 7 = 7$$

$$7 - 7 = 0$$

Amy has 6 dogs. She feeds each dog two times a day. How many times does she feed the dogs in all?



$$6 \times 2 = \boxed{12}$$

### Tips to Help Solve:

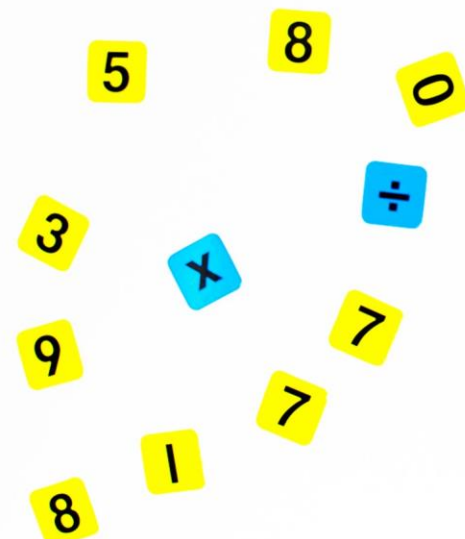
- Underline key words
- THINK before solving!
- Ask yourself: is the answer going to get smaller or bigger? Check your work.

- product
- times
- double
- triple
- as many as
- by
- per
- total
- altogether
- in all

**Multiply**

- quotient
- cut/chop
- separate
- break up
- split
- half
- parts
- out of
- share
- into groups

**Divide**





# 10 WORKSHEETS

**Worksheet 1: Find the Keywords**  
Name: Harry  
Can you find the keywords that show if the question is multiplication or division? Circle them.  
1. The dog has 50 bones. He separates them into 10 equal groups. How many bones are in each group?  
 $50 \div 10 =$

**Worksheet 2: Draw a Picture**  
Name: Eve  
Draw a picture of the story problem to solve. Then, write an equation.  
1. I see 8 dinosaurs. They are split into groups of 2. How many groups of dinosaurs did I see?  
 $8 \div 2 = 4$

**Worksheet 3: Choose the Operation**  
Name: Jake  
Decide if each equation is multiplication or division. Circle the correct operation and fill in the blanks.  
1. The amusement park has 6 roller coasters. There are 10 people on each one. How many total people are in the park?  
 $6 \times 10 = 60$

**Worksheet 4: Add, Subtract, Multiply, or Divide?**  
Name: Sandy  
It's a CRAZY day at school! There is a lot going on! Can you figure out what they need to do to solve each word problem and help solve each one?  
2. A student at the school sees 27 bears walk into the cafeteria. The bears are followed in by 9 cubs. How many bears are in the cafeteria in all?  
 $27 + 9 = 36$  Addition

**Worksheet 5: Correct Picture**  
Name: Sandy  
There are 4 bees at each bee hive. There are 3 bee hives. How many bees are there in all?  
 $4 \times 3 = 12$

**Worksheet 6: Correct Picture**  
Name: Sandy  
I have two hands. I have five fingers on each hand. How many fingers do I have in all?  
 $2 \times 5 = 10$

**Worksheet 7: Correct Picture**  
Name: Sandy  
The principal finds 81 pieces of broccoli in his office. He is very confused. He found 9 pieces of broccoli each time he opens a drawer. How many drawers did he open?  
 $81 \div 9 = 9$  Division

**Worksheet 8: Correct Picture**  
Name: Sandy  
There are 48 water fountains in the school that are spraying water everywhere. The town sends 8 people in to fix the problem. If they each work at the same pace, how many water fountains will each person fix?  
 $48 \div 8 = 6$  Division

**Worksheet 9: Correct Picture**  
Name: Sandy  
There are 6 gumballs shared between 3 machines. How many gumballs are in each machine?  
 $6 \div 3 = 2$

**Worksheet 10: Correct Picture**  
Name: Sandy  
There are 63 purses on the bookshelf. They are evenly divided in 9 rows. How many purses are in each row?  
 $63 \div 9 = 7$

**Worksheet 11: Correct Picture**  
Name: Sandy  
Your cousin has 8 boxes in his attic. There are 7 books in each box. How many books are there total?  
 $7 \times 8 = 56$

**Worksheet 12: Correct Picture**  
Name: Sandy  
I see 5 rows of corn. Each row of corn has 4 carrots in it. How many carrots are there total?  
 $5 \times 4 = 20$

**Worksheet 13: Correct Picture**  
Name: Sandy  
I see 3 ladybugs. Each ladybug has 3 spots. How many spots are there in all?  
 $3 \times 3 = 9$

**Worksheet 14: Correct Picture**  
Name: Sandy  
I see 3 ladybugs. Each ladybug has 3 spots. How many spots are there in all?  
 $3 \times 3 = 9$

**Worksheet 15: Correct Picture**  
Name: Sandy  
I see 3 ladybugs. Each ladybug has 3 spots. How many spots are there in all?  
 $3 \times 3 = 9$

**Worksheet 16: Correct Picture**  
Name: Sandy  
I see 3 ladybugs. Each ladybug has 3 spots. How many spots are there in all?  
 $3 \times 3 = 9$

**Worksheet 17: Correct Picture**  
Name: Sandy  
I see 3 ladybugs. Each ladybug has 3 spots. How many spots are there in all?  
 $3 \times 3 = 9$

**Worksheet 18: Correct Picture**  
Name: Sandy  
I see 3 ladybugs. Each ladybug has 3 spots. How many spots are there in all?  
 $3 \times 3 = 9$

**Worksheet 19: Correct Picture**  
Name: Sandy  
I see 3 ladybugs. Each ladybug has 3 spots. How many spots are there in all?  
 $3 \times 3 = 9$

**Worksheet 20: Correct Picture**  
Name: Sandy  
I see 3 ladybugs. Each ladybug has 3 spots. How many spots are there in all?  
 $3 \times 3 = 9$



# ERROR ANALYSIS

Students decide if each kid solved the problem correctly or incorrectly.  
They explain their thinking at the bottom.

4 PAGES

Directions: Read the problem below and look at the work the student did. Decide if the work is correct or not.

Kimberly currently has 4 water balloons. If she buys twice as many as she currently has, how many did she buy?



Kimberly says: I did  $4+2$  because it said twice.  
The answer is 6!

Explain if Kimberly is right or wrong. Put a check or X on her work.

The pattern is actually multiplying by 2 instead of adding 2.  $2 \times 2$  is 4. Then  $4 \times 2$  is 8.

# 4 CORNERS

## DIVISION

In the forest, there are 36 unicorns. There are 9 that are black, 9 that are red, 9 that are white, and 9 that are blue. How many different types of unicorns are there?

## MULTIPLICATION

The computer shop fixes 40 laptops on Saturday. They fix triple that amount the following day. How many computers did they fix that weekend?

## SUBTRACTION

A genie decides to grant a farmer 50 wishes. If the farmer makes 5 wishes the first day, how many wishes does he still have?

A 3 inch dragonfly is sitting on a leaf. If the leaf is 4 times longer than the dragonfly, how long is the leaf?

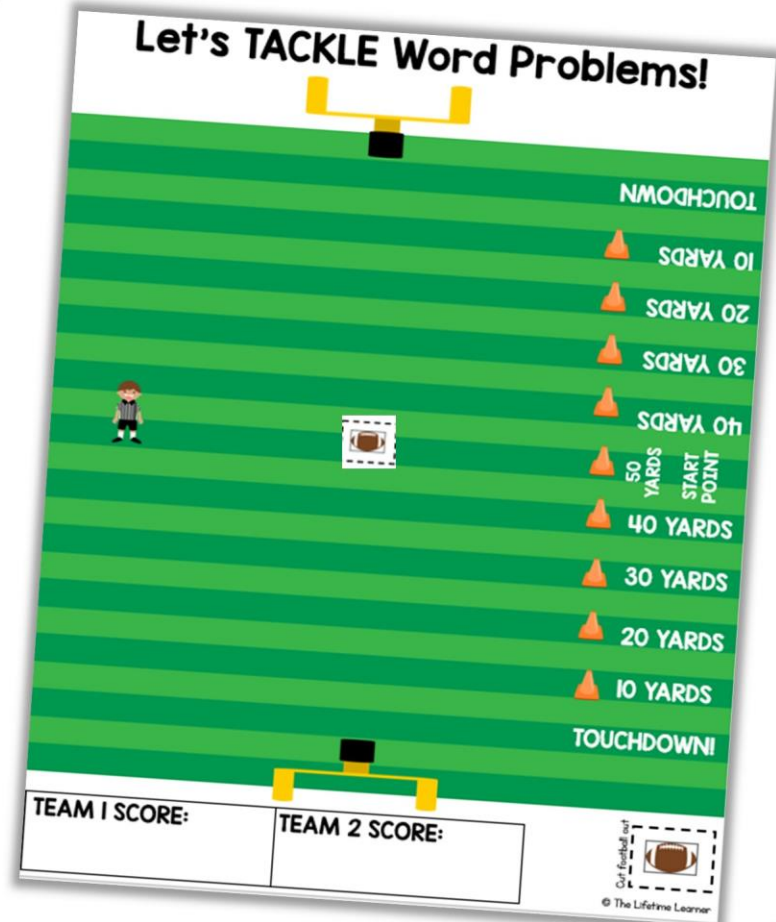
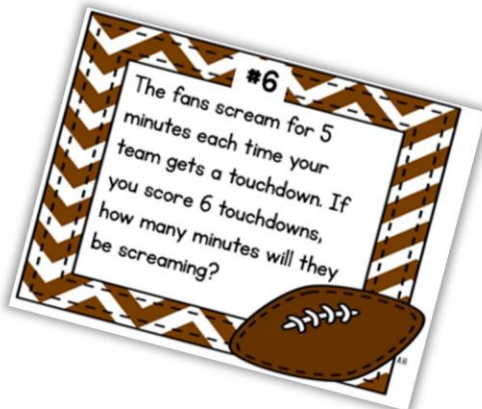
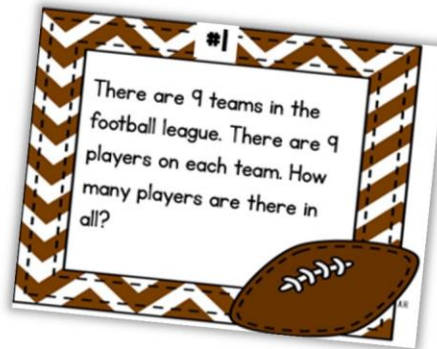
## ADDITION

Play 4 corners in your classroom  
but with a twist!



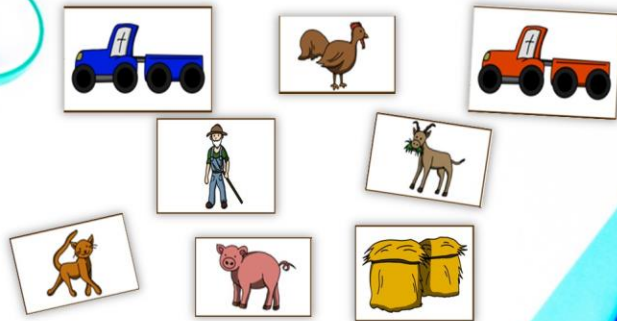
# GAME #1

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



# 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  
You have 5 people in the field.  
They are each holding 3 jars.  
How many jars do they have  
altogether?

You see 32 races take place.  
There are 8 races each hour.  
How many hours did it take to

#4  
You see 100 flowers. They are  
split into groups of 10. How  
many groups are there?

$$100 \div 10$$
$$10$$

#2  
You have 8 boxes. Each one  
weighs 9 ounces. How many  
ounces do they weigh total?

Chance Card!

To

Chance Card!

Chance Card!

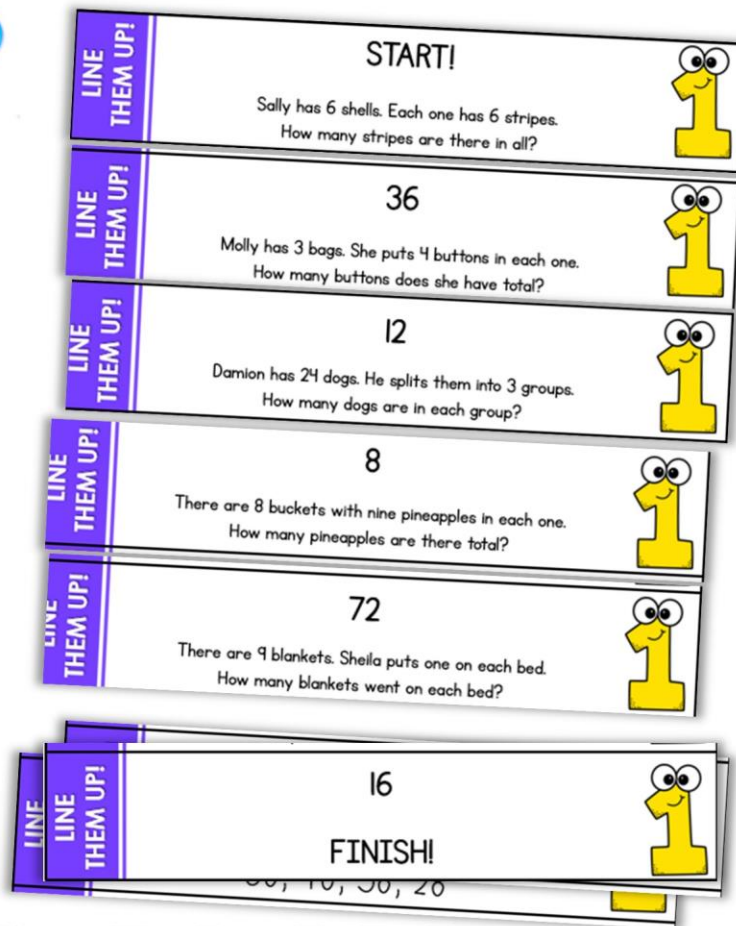
Take 1 piece  
from the  
middle.

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

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# GAME #3



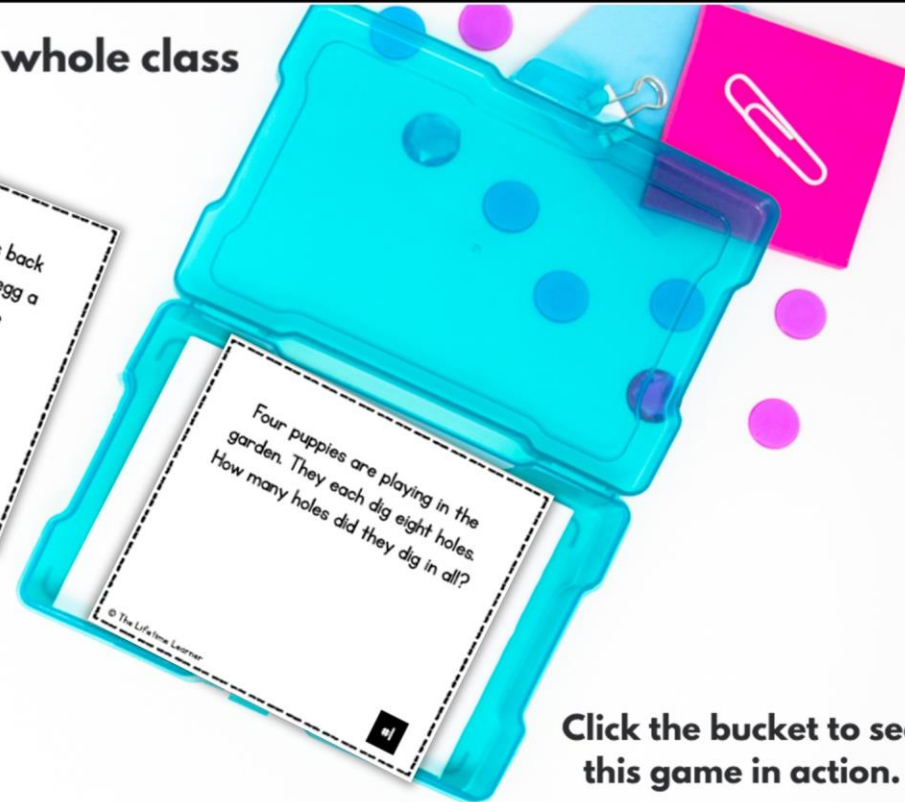
## HOW TO PLAY:

- Students pair up in teams.
- Students race to line up their cards in order before the other team.



# GAME #4

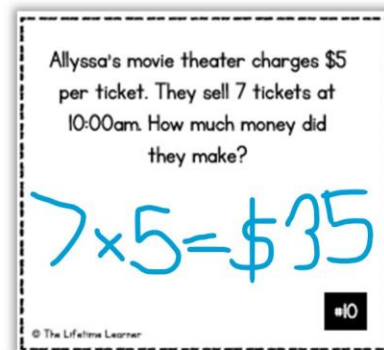
the perfect game to play with the whole class



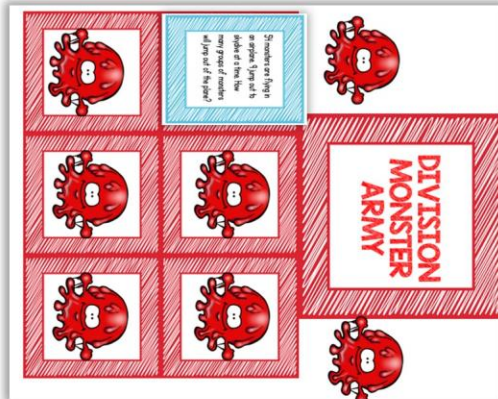
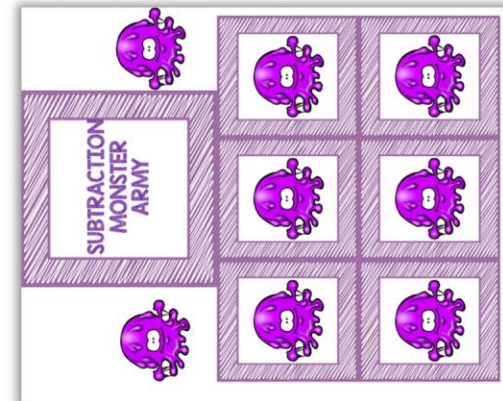
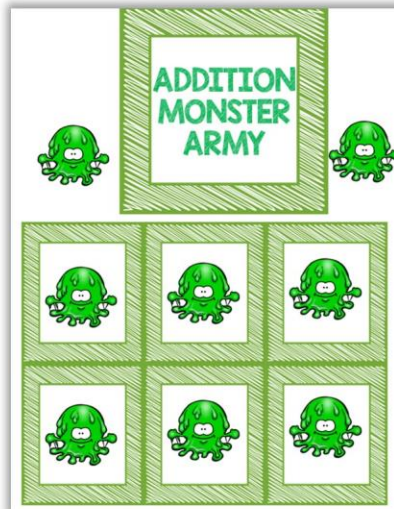
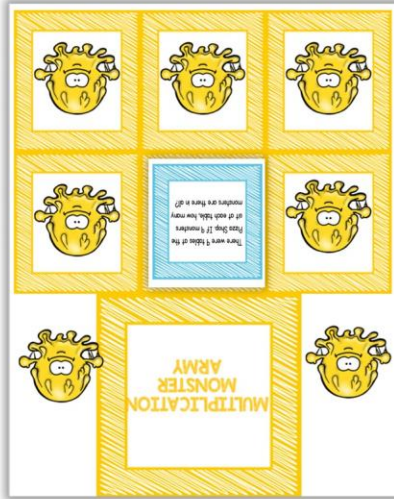
Click the bucket to see this game in action.

## 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.



# MONSTER RACE



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



# BUY THE BUNDLE AND SAVE BIG!

## 3RD GRADE MATH BUNDLE

Name: Lindsay The Beach

Write the number of the matching word problem on each bucket to show which sandcastle goes with each word problem.

Sandcastle	Letter	Number
A	#6	
B	#5	
C	#2	
D	#4	
E	#1	
F	#3	

- There are 2 sharks. Each one has 5 teeth. How many teeth do the sharks have combined?  $2 \times 5 = 10$
- There are 54 fish in the water. They are split between 6 small pools equally. How many fish are in each pool of water?  $54 \div 6 = 9$
- There are 36 umbrellas for sale on the beach. 6 umbrellas are sold each hour. How many hours did it take to sell all of the umbrellas?  $36 \div 6 = 6$
- There are 3 fences facing the beach. There are four seagulls sitting on each one. How many seagulls are there total?  $3 \times 4 = 12$
- There are 12 surfers out in the water. They are chatting in groups of 4. How many groups are chatting?  $12 \div 4 = 3$
- There are 50 seals out in the ocean. They are sitting in groups of 10. How many groups of seals are there?  $50 \div 10 = 5$

My Castle



To win, you must have 10 items in your castle.

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WORKSHEETS



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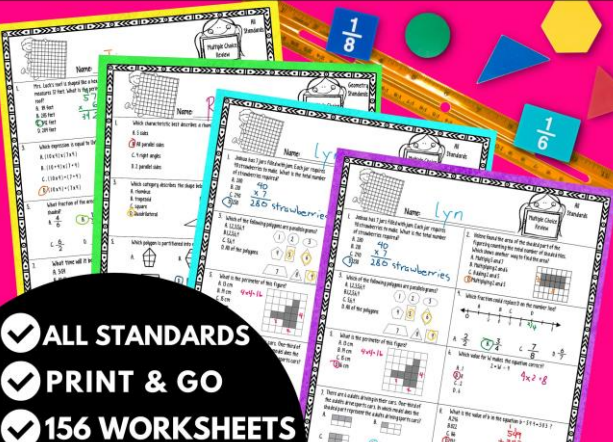
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