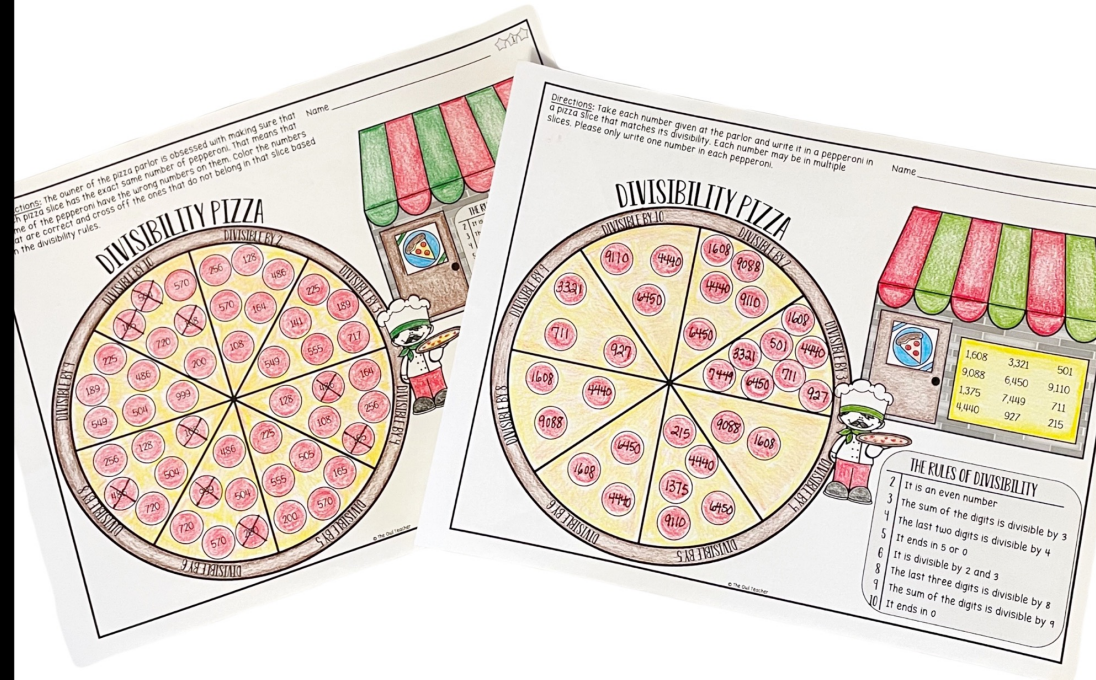


# DIVISIBILITY RULES PIZZA WORKSHEET PRACTICE

## DIVISIBILITY RULES



HELP YOUR UPPER ELEMENTARY STUDENTS PRACTICE THE DIVISIBILITY RULES WITH THESE ENGAGING DIVISIBILITY PIZZA WORKSHEETS! STUDENTS PRACTICE DETERMINING WHICH NUMBERS ARE DIVISIBLE BY WHICH NUMBERS BY PRACTICING THE DIVISIBILITY RULES. THESE NUMBERS ARE PLACED IN A PIZZA SLICE (THE DIVISIBILITY RULE) IN A PEPPERONI!

## WORKSHEET PRACTICE

# CONCEPTS COVERED

- ✓ THE DIVISIBILITY RULES OF 2, 3, 4, 5, 6, 8, 9, 10
- ✓ DIFFERENTIATED PRACTICE
- ✓ APPLICATION OF THE RULES

Directions: The owner of the pizza parlor is obsessed with making sure that each pizza slice has the exact same number of pepperoni. That means that some of the pepperoni have the wrong numbers on them. Color the numbers that are correct and cross off the ones that do not belong in that slice based on the divisibility rules.

Directions: Take each number given at the parlor and write it in a pepperoni on a pizza slice that matches its divisibility. Each number may be in multiple slices. Please only write one number in each pepperoni.

**THE RULES OF DIVISIBILITY**

- 2 It is an even number
- 3 The sum of the digits is divisible by 3
- 4 The last two digits is divisible by 4
- 5 It ends in 5 or 0
- 6 It is divisible by 2 and 3
- 8 The last three digits is divisible by 8
- 9 The sum of the digits is divisible by 9
- 10 It ends in 0

1,608	3,321	501
9,088	6,450	9,110
1,375	7,449	711
4,440	927	215

# WHY YOU AND YOUR STUDENTS WILL LOVE THIS RESOURCE

- ✓ THREE DIFFERENT VERSIONS:
  - ✓ STUDENTS PLACE THE NUMBERS IN THE PROPER PIZZA SLICE BASED ON THE RULE(S) IT FITS WITH (HINTS GIVEN BASED ON PEPPERONI CIRCLES)
  - ✓ STUDENTS PLACE NUMBERS IN PROPER PIZZA SLICE BASED ON RULE(S) IT FITS WITH (NO HINTS GIVEN)
  - ✓ STUDENTS ARE GIVEN NUMBERS IN EACH SLICE AND CROSSES OUT ONES THAT DON'T WORK WITH THAT RULE.
- ✓ RULES PROVIDED ON THE SHEET

# WHAT'S INCLUDED

DIFFERENTIATED

APPLICATION OF RULES

RULES PROVIDED

4 SHEETS PER VERSION

ANSWER KEYS

Directions: Take each number given at the parlor and write it in a pepperoni in a pizza slice that matches its divisibility. Each number may be in multiple slices. Please only write one number in each pepperoni.

Name \_\_\_\_\_

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- 10 It ends in 0

Directions: The owner of the pizza parlor is obsessed with making sure that each pizza slice has the exact same number of pepperoni. That means that some of the pepperoni have the wrong numbers on them. Color the numbers that are correct and cross off the ones that do not belong in that slice based on the divisibility rules.

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# HAVE YOU SEEN THESE RESOURCES?

## DIVISIBILITY RULES

2 THE LAST DIGIT IS EVEN

3 THE SUM OF ALL THE DIGITS IS DIVISIBLE BY 3

4 THE LAST TWO DIGITS ARE DIVISIBLE BY 4

5 THE LAST DIGIT IS 0 OR 5

6 THE NUMBER IS EVEN AND DIVISIBLE BY 3

9 THE SUM OF THE DIGITS IS DIVISIBLE BY 9

10 THE NUMBER ENDS IN 0

Tammy DeShaw  
THE OWL TEACHER

## HANGING MOBILE

Divisibility Hanging Mobile

## DIVISIBILITY RULES

DELICIOUS DIVISIBILITY

Name: \_\_\_\_\_

Tammy DeShaw  
THE OWL TEACHER

## CIRCLE BOOK ACTIVITY

Divisibility Circle Book

## DIVISIBILITY RULES

2 If the number is even.  
648 ÷ 8 is even

3 If the sum of the digits is divisible by 3.  
309 ÷ 3 = 103. 3+0+9=12. 3 can divide into 12.

4 If the last two digits are divisible by 4.  
428 ÷ 4 = 107. 4 can divide into 28.

Tammy DeShaw  
THE OWL TEACHER

## CRAFTIVITY

Divisibility Craftivity