

Name _____



Math Challenge Owl Creek Elementary

At Owl Creek Elementary there are 36 students in 2nd grade, twice that number in 1st grade. There are 12 more students in 3rd grade. 3rd grade has three times the number of students as 2nd grade. 4th grade has 20 less than third. The 5th grade has 10 more than 4th. How many total students attend Owl Creek Elementary?

Use the box below to show your work.

Write at least 3 sentences explaining how you found your answer. What did you do first, second, last? How did you know you should add, subtract, multiply or divide? What strategies did you use to solve the problem?



Math Challenges & Brainteasers for Advanced Mathematicians

Print & Go PDF

Do You Want
Mr. Snowman
is building a snowman
red hat, and a winter
scarf, blue, and pink. She
big or small. How many
snowmen can she create? Use
the possibilities.

Use the table below to help you

Scarf	Carrot		Hat	Scarf	Carrot
Red		4	winter	Red	Big
Red				Blue	Small
Blue					

Name _____

Target Number Brainteaser

Arrange the numbers in the circles so every line is equal to the target number. You may only use the numbers in the box below to complete the puzzle.

1

2

3

4

5

6

7



Target Number

+ Google Slides versions

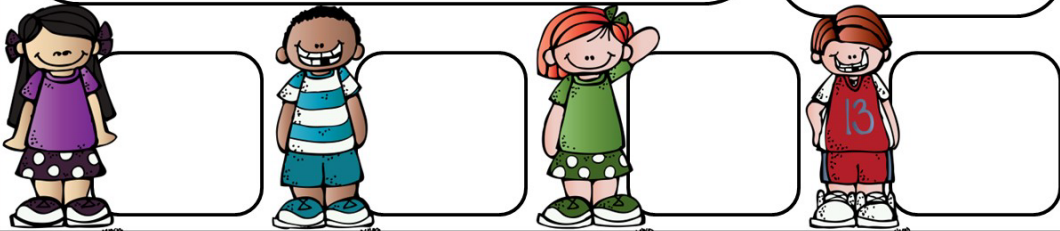
First Day of School

It is the first day of school for Claire, Dennett, Aleks, and Lila. They all go to the same elementary school. Each student is in a different grade and is wearing a different color. Use the clues below to determine each person's name & grade level.

Clue #1: The youngest student is a boy.
Clue #2: Lila is younger than Aleks.
Clue #3: The boys are wearing red and blue.
Clue #4: One of the girls (Claire or Lila) is in 5th grade.
Clue #5: Claire never wears purple.
Clue #6: Dennett is not wearing blue.

Use these moveable pieces to show your answer.

Claire	1st
Dennett	2nd
Aleks	3rd
Lila	5th



20 Math Challenges

Name



Math Challenge
Amusement Park

Molly and her 8 family members are going to an amusement park. Each entrance ticket costs \$35.00. Food for each person will cost \$12.00, and each will spend \$5.00 playing games. How much money will it cost for Molly and her family to go to the amusement park, eat, and play games? (Remember Molly + her 8 family members = 9 total people)

Use the box below to show your work.

Name



Math Challenge
Field Trip

Three classes are going on a field trip to the planetarium. The school needs to pay for buses and entrance fees for all 75 students and 20 adults. They need 2 buses. Each will cost \$75.00. The planetarium charges \$3.00 per person. How much money will the school need to pay in all for the students and adults to attend the field trip?

Use the box below to show your work.

Name



Math Challenge
25 Block Staircase

RK Text is designing a staircase using cement blocks. The first stair can be built by stacking 1 block. The second stair can be built by stacking 2 blocks, the third stair by stacking 3 blocks with the rest of the stairs following this pattern. How many cement blocks will the construction crew need to buy to build a staircase that is 25 blocks high?

Use the box below to show your work.

Name



Math Challenge
Sum of 250

I'm thinking of 4 consecutive numbers (example 1, 2, 3, 4 or 34, 40, 44, 42). Their sum is 250. What are the numbers?

Use the box below to show your work.

Name



Math Challenge
Owl Creek Elementary

At Owl Creek Elementary there are 36 students in kindergarten. There are twice that number in 1st grade. There are 12 more students in 2nd than 1st. The 3rd grade has three times the number of students in kindergarten, and the 4th grade has 20 less than third. The 5th grade has 20 more than 1st. How many total students attend Owl Creek Elementary?

Use the box below to show your work.

Name

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Name



Math Challenge

Pizza Shares

Which group members will get the largest amount of pizza if they split the pizzas evenly between all members of their group? Use pictures, numbers, and words to explain your thinking.

Group A - 2 people share 5 pizzas
Group B - 3 people share 3 pizzas
Group C - 4 people share 9 pizzas

Use the box below to show your work.

Name



Math Challenge

Birthday Cookies

Melissa had a birthday party. She baked large cookies for herself and Five Friends. After the six people at the party shared all the cookies evenly, each person had 1 and 1/3 cookies. How many cookies did Melissa bake altogether?

Use the box below to show your work.

Name



Math Challenge

Mileage

This Thursday and Friday Mrs. Bowman is going to attend a teaching workshop in Denver. She is paid \$0.32 per mile to drive her car to the workshop. If it is 25 miles from her home to the workshop, how much money will Mrs. Bowman be paid for driving her car to the workshop and back for two days?

Use the box below to show your work.

Name



Math Challenge

Birthday Cupcakes

Five people are at a birthday party. There are eighteen birthday cupcakes. If the five people share the cupcakes equally, how many cupcakes would each person get to eat?

Use the box below to show your work.

Name



Math Challenge

Hopping Bunnies

There are 9 bunnies hopping through the Jump-a-Lot Forest. Every bunny holds a basket with 6 eggs. On each egg there are 22 polka dots. How many polka dots are there in all?

Use the box below to show your work.

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Name _____



Math Challenge The Louvre

There are over 35,000 artworks on display at the Louvre, the world's largest museum, in Paris. If you were to try to see 35,000 pieces of art and spent just 5 seconds looking at each, how many days, hours and minutes would you need to spend at the museum?

Use the box below to show your work.

Name _____



Math Challenge Do You Want to Build A Snowman?

Elsa is building a snowman. She has three kinds of hats: a top hat, a baseball hat, and a winter hat. She has three colors of scarves: red, blue, and pink. She also has two types of carrots for the nose: big or small. How many possible combinations of different looking snowmen can she create? Use the Table below to help you show all the possibilities.

Use the box below to show your work.

Hat	Scarf	Carrot	Hat	Scarf	Carrot

Name _____



Math Challenge Roll the Dice

I am rolling two dice. What is the probability that I will roll a 7? Use the chart below to help you list all the possibilities.

Use the box below to show your work.

Total									

Name _____



Math Challenge Sack Lunch

Michael is putting together a sack lunch for school. He plans to include a sandwich, a piece of fruit, and a drink. He has Kebab or Tuna for a sandwich. He has an apple or pear for fruit. He has water, juice, or soda for a drink. Name all the combinations Michael can make if he includes one type of sandwich, one fruit, and one drink in his lunch.

Use the box below to show your work.

Name _____



Math Challenge Crayon Combinations

Myra needs to use three different crayons to complete her Rainbow Spelling activity. She has a total of ten crayons - red, blue, green, yellow, orange, pink, purple, white, black, and gray. How many possible combinations of crayons does Myra have if she chooses red as one of her Rainbow Spelling colors? Name all the possible combinations of crayons Myra could use.

Use the box below to show your work.

[illegible]

20 Brainteasers

Name _____



Wonka Treats #1

Arrange Willy Wonka's treats so there is only one type of sweet in every row, column, and 2x2 box.

Name _____



Wonka Treats #2

Arrange Willy Wonka's treats so there is only one type of sweet in every row, column, and 2x3 box.

Name _____



Animal Farm #1

Arrange the animals so there is a different animal in every row, column, and 2x2 box.

Name _____



Animal Farm #2

Arrange the animals so there is a different animal in every row, column, and 2x2 box.

Name _____



Parking Lot #1

Arrange the vehicles so there is a different vehicle in every row, column, and 2x2 box.

© 2015 K5 Learning

Name _____



Parking Lot #2

Arrange the vehicles so there is a different vehicle in every row, column, and 2x3 box.

Name _____



Alphabet Soup #1

Arrange the letters A-F so there is a different letter in every row, column, and 2x3 box.

			A		F

Name _____



Alphabet Soup #2

Arrange the letters A-I so there is a different letter in every row, column, and 3x3 box.

	G	C	F	B	I	
D	C			I	E	A

Name _____



Alphabet Soup #3

Arrange the letters A-I so there is a different letter in every row, column, and 3x3 box.

	R			P	
P	L		M	J	O

Name _____

Library Line Brainteaser

Four students are standing in line at the library. They each owe a different amount in fines.

Use the clues below to find each student's spot in line and the amount of library fines they owe.

- The person who owes the most in fines is last in line.
- Willie will receive \$0.24 in change if she pays her fines with three \$1.00 bills.
- The person who owes the least is first in line.
- Betty owes \$2.25 more than Willie.
- Grant owes half of what Willie does.
- Patrick pays his fines with a \$20 bill and receives \$18.76 in change.
- Willie is ahead of Grant in line.

Show your work and your answer here:



Betty is _____ in line and owes _____ in fines.

Grant is _____ in line and owes _____ in fines.

Patrick is _____ in line and owes _____ in fines.

Willie is _____ in line and owes _____ in fines.

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Name _____

Target Number 11

Arrange the numbers in the circles so every line is equal to the target number. You may only use the numbers in the box below to complete the puzzle.

1	2	4	5	6
---	---	---	---	---

Target Number: 11

--	--	--	--	--

Name _____

Target Number 12

Arrange the numbers in the circles so every line is equal to the target number. You may only use the numbers in the box below to complete the puzzle.

1	2	3	4	5	6	7
---	---	---	---	---	---	---

Target Number: 12

--	--	--	--	--

Name _____

Target Number 13

Arrange the numbers in the circles so every line is equal to the target number. You may only use the numbers in the box below to complete the puzzle.

1	2	3	4	5	6	7	8
---	---	---	---	---	---	---	---

Target Number: 13

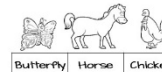
--	--	--	--	--

Name _____

The Legs in the Barn

I counted 30 legs in the barn. All the legs were on butterflies, horses, and chickens. There is at least 1 of each creature in the barn. How many of each creature - butterflies, horses, and chickens - could be in the barn? (Remember, a butterfly is an insect and insects have six legs.)

Find all the possible answers to. Use the table below to help you. When you can fill in the table completely, you will have found all possible answers.



Name _____

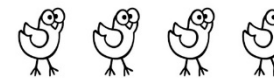
Chickadees Brainteaser

Chester, Chelsea, Chatty, and Chirpy are baby chicks. They each hatched from a different colored egg (blue, yellow, pink, and purple) and were born on a different month of the same year.

Use the clues below to determine the color of egg each chick hatched from and the month they were born.

- Chirpy hatched on Valentine's Day.
- The oldest chick hatched from a pink egg.
- The chick born in October did not hatch from a blue egg.
- Chatty was born on New Year's Day.
- Chester was born the day before Halloween.
- The chick who hatched from a yellow egg was born in December.

Show your work and your answer here:



Chester's egg is _____, and he was born in _____.

Chelsea's egg is _____, and he was born in _____.

Chatty's egg is _____, and he was born in _____.

Chirpy's egg is _____, and he was born in _____.

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Name _____



NBA Math #1

Fill in the final scores in the table below. Here is some information you will need.

- A free throw is worth 1 point
- A basket is worth 2 points
- A three-pointer is worth 3 points

Team Name	Total Free Throws	Total Baskets	Total Three-Pointers	Final Score
Denver Nuggets	12	23	4	74

Name _____



NBA Math #2

Fill in the final scores in the table below. Here is some information you will need.

- A free throw is worth 1 point
- A basket is worth 2 points
- A three-pointer is worth 3 points

Team Name	Total Free Throws	Total Baskets	Total Three-Pointers	Final Score
Portland Trail Blazers	19	12	10	107

Name _____

First Day of School Brainteaser

It is the first day of school for Claire, Dennett, Aleks, and Lia. They all go to the same elementary school. Each student is in a different grade (1st, 2nd, 3rd, 4th, 5th) and is wearing a different color (purple, blue, green, and red).

Use the clues below to determine each person's grade level and color of clothing.

- The youngest student is a boy.
- Lia is younger than Aleks.
- The boys are wearing red and blue.
- One of the girls (Claire or Lia) is in 5th grade.
- Claire never wears purple.
- Dennett is not wearing blue.



Name _____

Target Number 10

Arrange the numbers in the circles so every line is equal to the target number. You may only use the numbers in the box below to complete the puzzle.

1	2	3	4	5	6
---	---	---	---	---	---

Target Number: 10

--	--	--	--	--

Name _____

Haunted Lane Brainteaser

There are 4 spooky houses on Haunted Lane. Use the clues to color each house and determine which creature lives there.

- One of the houses on the street is purple.
- Bobby the bat lives between Stan and Greg.
- Vampire Vicki lives at one end of the street. Her house does not have a lamp post.
- Swamp Monster Stan lives in a green house.
- Shallow Greg lives in a blue house.
- Bobby does not live in the gray house.
- Vicki does not live by Stan.

Write your answers in the boxes below.



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Name _____



Math Challenge Amusement Park

Write at least 3 sentences explaining how you found your answer. What did you do first, second, last? How did you know you should add, subtract, multiply or divide? What strategies did you use to solve the problem?



Molly and her 8 family members are going to an amusement park. An entrance ticket costs \$35.00. Food for each person costs \$5.00. They will spend \$5.00 playing games. How much money will they need to go to the amusement park, eat, and play games?
family members = 9 total people

Use _____

All math challenges come with a page for students to explain their mathematical thinking

Answer Keys



Math Challenge Amusement Park Answer Key

Molly and her 8 family members are going to an amusement park. Each entrance ticket costs \$35.00. Food for each person will cost \$8.00, and each will spend \$5.00 playing games. How much money will it cost for Molly and her family to go to the amusement park, eat, and play games? (Remember Molly + her 8 family members = 9 total people)

Use the box below to show your work.

Name _____



Math Challenge Field Trip Answer Key

Three classes are going on a field trip to the planetarium. The school needs to pay for buses and entrance fees for all 75 of its students and 20 adults. They need 2 buses. Each will cost \$750.00. The planetarium charges \$3.00 per person. How much money will the school need to pay in all for the students and adults to attend the field trip?

Use the box below to show your work.

$$(95 \text{ people (adults + students)}) \times \$3.00 (\text{entrance fee})$$



Math Challenge 25 Block Staircase Answer Key

Ric Toki is designing a staircase using cement blocks. The first stair can be built using 1 block. The second stair can be built by stacking 2 blocks. The third stair by stacking 3 blocks with the rest of the stairs following this pattern. How many cement blocks does he construct if he now needs to pay to build a staircase that is 25 blocks high?

Use the box below to show your work.



Math Challenge 1+2=3 Answer Key

I'm thinking of 3 consecutive numbers (example: 1, 2, 3 or 4, 5, 6 or 10, 11, 12). Their sum is 250. What are the numbers?

Use the box below to show your work.

$$61, 62, 63, 64$$



Math Challenge Owl Creek Elementary Answer Key

At Owl Creek Elementary there are 36 2nd students in kindergarten. There are twice that number in 1st grade. There are 2 more students in 3rd than 1st. The 2nd grade has three times the number of students in kindergarten and the 4th grade has 20 less than 1st. The 5th grade has 10 more students. How many total students are at Owl Creek Elementary?

Use the box below to show your work.



Math Challenge Pizza Shares Answer Key

Which group members will get the largest amount of pizza if they split the pizza into 8 equal members of their group? Use pictures, numbers, and words to explain your thinking.

Group A - 2 people share 5 pizzas
Group B - 3 people share 6 pizzas
Group C - 4 people share 8 pizzas

Use the box below to show your work.



Math Challenge Birthday Cookies Answer Key

Melissa had a birthday party. She baked large cookies for herself and five friends. After she ate six people at the party shared all the cookies evenly. Each person had 2 and 3/4 cookies. How many cookies did Melissa bake altogether?

Use the box below to show your work.



Math Challenge Mileage Answer Key

The Thursday and Friday Mrs. Bowman is going to attend a teaching workshop. Denver is 250 miles from her home. How much money will Mrs. Bowman be paid for driving her car to the workshop and back for two days?

Use the box below to show your work.

$$25 \text{ miles} \times 2 \text{ ways} = 50 \text{ total miles driven per day}$$

$$50 \text{ miles} \times 2 \text{ days} = 100 \text{ total miles}$$

$$\$0.32 \times 100 = \$32.00$$

Did the student use sequence words (First, then, finally) in the response?

How did they decide to show their work?

Did the student use multiplication or repeated addition?

How did the student keep track of calculations?

Are they able to explain their mathematical thinking in a way that makes sense to the reader?



Math Challenge Birthday Cupcakes Answer Key

Five people are at a birthday party. There are eighteen birthday cupcakes. If the five people share the cupcakes equally, how many cupcakes would each person get to eat?

Use the box below to show your work.



Math Challenge Hopping Bunnies Answer Key

There are 9 bunnies hopping through the Jump-a-Lot Forest. Every bunny holds a basket with 6 eggs. On each egg there are 12 polka dots. How many polka dots are there in all?

Use the box below to show your work.



Math Challenge The Louvre Answer Key

There are over 35,000 artworks on display at the Louvre, the world's largest museum in Paris. If you were to try to see 35,000 pieces of art and spent just 5 seconds looking at each, how many days, hours, and minutes would you need to spend at the museum?

Use the box below to show your work.



Math Challenge Do You Want to Build a Snowman? Answer Key

Eric is building a snowman. He has three kinds of hats: a top hat, a baseball hat, and a winter hat. He has three colors of scarves: red, blue, and green. He also has two types of carrots for the nose: big and small. How many possible combinations of different looking snowmen can he create? Use the table below to help you show all the possibilities.

Use the box below to show your work.

There are 18 possible combinations.



Math Challenge Roll the Dice Answer Key

I am rolling two dice. What is the probability that I will roll a 7? Use the chart below to help you list all the possibilities.

Use the box below to show your work.

Total	1	2	3	4	5	6	7	8	9	10	11	12



Math Challenge Sack Lunch Answer Key

Michael is putting together a sack lunch for school. He plans to include a sandwich, a glass of fruit, and a drink. He has 180 or less for a sandwich. He has an apple or pear for fruit. He has water, juice, or soda for a drink. Name all the combinations Michael can make if he includes one type of sandwich, one fruit, and one drink in his lunch.

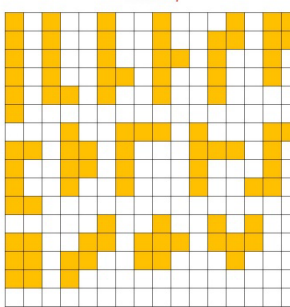
Use the box below to show your work.



Math Challenge Crayon Combinations Answer Key

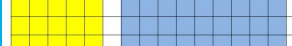
Myra needs to use three different crayons to complete her Rainbow Spelling activity. She has a total of ten crayons: red, blue, green, yellow, orange, pink, purple, white, black, and gray. How many possible combinations of crayons does Myra have if she chooses not as one of her Rainbow Spelling colors? Name all the possible combinations of crayons Myra could use.

Use the box below to show your work.



Math Challenge Perimeter of 24 Answer Key

In the boxes below, draw 4 quadrilaterals that have a perimeter of 24 units, but different areas.



Math Challenge Equal Art #1 Answer Key

These boxes can have equal sums if one number from each box is moved to the other box.



Math Challenge Equal Art #2 Answer Key

These boxes can have equal sums if one number from each box is moved to the other box.



Math Challenge Scenting Clean? Answer Key

There are 24 students in a class. The teacher wants to arrange the desks into teams of students. Every team must have more than 3 students and every team must have the same number of students. Show two different ways the teacher could arrange the desks in the classroom.

Use the box below to show your work.



Wendy Treats #1 Answer Key

Arrange Wendy's Wendy Treats so there is only one type of sweet in every row, column, and 2x2 box.



Wendy Treats #2 Answer Key

Arrange Wendy's Wendy Treats so there is only one type of sweet in every row, column, and 2x2 box.



Animal Farm #1 Answer Key

Arrange the animals so there is a different animal in every row, column, and 2x2 box.



Animal Farm #2 Answer Key

Arrange the animals so there is a different animal in every row, column, and 2x2 box.



Parking Lot #1 Answer Key

Arrange five vehicles so there is a different vehicle in every row, column, and 2x2 box.



Parking Lot #2 Answer Key

Arrange five vehicles so there is a different vehicle in every row, column, and 2x2 box.



Alphabet Soup #1 Answer Key

Arrange the letters A-F so there is a different letter in every row, column, and 2x2 box.



Alphabet Soup #2 Answer Key

Arrange the letters A-F so there is a different letter in every row, column, and 2x2 box.



Alphabet Soup #3 Answer Key

Arrange the letters A-F so there is a different letter in every row, column, and 2x2 box.



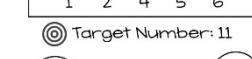
Target Number 10 Answer Key

Arrange the numbers in the circles so every line is equal to the target number. You may only use the numbers in the box below to complete the puzzle.



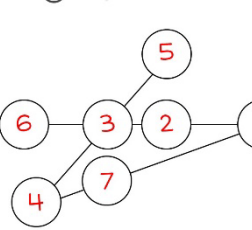
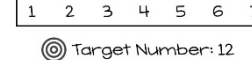
Target Number 11 Answer Key

Arrange the numbers in the circles so every line is equal to the target number. You may only use the numbers in the box below to complete the puzzle.



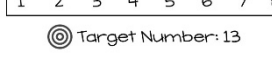
Target Number 12 Answer Key

Arrange the numbers in the circles so every line is equal to the target number. You may only use the numbers in the box below to complete the puzzle.



Target Number 13 Answer Key

Arrange the numbers in the circles so every line is equal to the target number. You may only use the numbers in the box below to complete the puzzle.



Target Number 13 Answer Key

Arrange the numbers in the circles so every line is equal to the target number. You may only use the numbers in the box below to complete the puzzle.



Target Number 13 Answer Key

Arrange the numbers in the circles so every line is equal to the target number. You may only use the numbers in the box below to complete the puzzle.



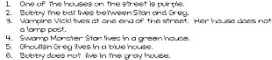
Target Number 13 Answer Key

Arrange the numbers in the circles so every line is equal to the target number. You may only use the numbers in the box below to complete the puzzle.



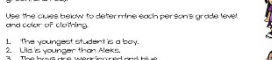
Target Number 13 Answer Key

Arrange the numbers in the circles so every line is equal to the target number. You may only use the numbers in the box below to complete the puzzle.



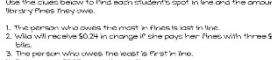
Target Number 13 Answer Key

Arrange the numbers in the circles so every line is equal to the target number. You may only use the numbers in the box below to complete the puzzle.



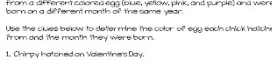
Target Number 13 Answer Key

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Target Number 13 Answer Key

Arrange the numbers in the circles so every line is equal to the target number. You may only use the numbers in the box below to complete the puzzle.



Target Number 13 Answer Key

Arrange the numbers in the circles so every line is equal to the target number. You may only use the numbers in the box below to complete the puzzle.



Target Number 13 Answer Key

Arrange the numbers in the circles so every line is equal to the target number. You may only use the numbers in the box below to complete the puzzle.



Chester's egg is purple, and he was born in October.

Chelsey's egg is yellow, and she was born in December.

Chatty's egg is pink, and she was born in January.

Chippy's egg is blue, and he was born in February.



Math Challenge Resource

Conversions & Calendar

1 mile = 5,280 feet
1 yard = 3 feet
1 foot = 12 inches

1 pound (lb)
(oz.)

1 gallon = 4 quarts
1 quart = 2 pints
1 pint = 2 cups
1 cup = 8 ounces

1 dozen = 12

1 year = 365 days
1 leap year = 366 days
1 week = 7 days

January = 31 days
February = 28 days
(In a leap year = 29 days)

March = 31 days
April = 30 days
May = 31 days
June = 30 days
July = 31 days
August = 31 days
September = 30 days
October = 31 days
November = 30 days
December = 31 days

Definitions

Sum = the answer to an addition problem

Product = the answer to a multiplication problem

Quotient = the answer to a division problem

Factors = the numbers that multiply to give a product

Number and any other whole number (20 is a multiple of 5 since $5 \times 4 = 20$)

Perimeter = The measurement of the distance around the outside of an object

Area = The measurement of the square units that can cover the inside of a shape

Numbers

1 one
2 two
3 three

4 four
5 five
6 six
7 seven

8 eight
9 nine
10 ten

11 eleven
12 twelve
13 thirteen
14 fourteen
15 fifteen
16 sixteen
17 seventeen
18 eighteen
19 nineteen
20 twenty

20 twenty

30 thirty

40 forty

50 fifty

60 sixty

70 seventy

80 eighty

90 ninety

100 one hundred

1,000 one thousand

Student Resource to help with conversions and math vocabulary, Notes for teachers, and Clickable Table of Contents

How to Use Math Challenges & Brainteasers in Your Classroom: A Few Ideas



- Use these as **extension activities** for math contracts. You can read more about this strategy and [receive a free editable math contract at the blog HERE](#).
- Use a challenge or brainteaser as a **homework option** for students who need a challenge or let them **replace a simple homework assignment** with the challenge to **show parents** how well you're **differentiating**.
- Use a challenge or brainteaser as a **"number talk"** in your **math class**. Work through it as a **class** or in **partners or small groups** to talk through it and solve it.
- Use a challenge or brainteaser as a **small group** of students as a **challenge**.

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- Math Challenges**
 - Sum of 250** (Adding one and two-digit numbers, multiplying two digit by one digit numbers)
 - Owl Creek Elementary** (Multiplying two digit by one digit numbers, adding three-digit numbers)
 - Pizza Shares** (Adding one and two-digit numbers, looking for patterns, addition)
 - Birthday Cookies** (Fractions, finding a whole when given a fractional part, mixed number addition)
 - Mileage** (Repeated addition/multiplication, addition with decimals)
 - Birthday Cupcakes** (Fractions, mixed numbers, dividing a whole into equal parts)
 - Hopping Bunnies** (Multiplication one and two-digit, 2 step problem)
 - The Louvre** (Multiplication with large numbers, time in days/hours/minutes/seconds)
 - Do You Want to Build a Snowman?** (Organizing data, finding all possibilities, combinations)
 - Roll the Dice** (Organizing data, finding all possibilities, combinations, writing a ratio/fraction)
 - Sack Lunch** (Organizing data, finding all possibilities, combinations)
 - Crayon Combinations** (Organizing data, finding all possibilities, combinations)
 - Hexominos** (Logical thinking, guess and check, finding all possibilities, congruence)
 - Perimeter of 24** (Logical thinking, addition, perimeter, guess and check)
 - Equal Art #1** (Logical thinking, eliminating possibilities, addition)
 - Equal Art #2** (Logical thinking, eliminating possibilities, addition)
 - Seating Chart** (Division, equal parts of a whole)

*All math challenges come with a lined page for written responses focused on strategies students used to solve the problem

Links to Google Slides versions, Google FAQ, and Tutorial Videos



Need a Digital/Interactive Version

An interactive Google Slides™ version of these activities is included in your purchase!

Simply click on this link, choose "Make a Copy", and the interactive slides will be uploaded to your Google Drive™.

If you have issues with the link, please email me at iwanttobeasuperteacher@gmail.com.

If you have questions about how to share the slides with students, please see the next two pages which include Google Slides™ FAQ and Tutorial Videos.

Check out these Google Slides Tutorial Videos

How to Use the Link & Make a Copy (+ Rename Your New File)

Click the link in this document → You will be directed to a page that asks "Would you like to make a copy?" → Select "Make a copy"



To rename the file, in the top left corner of the new file, click the title "Copy of ..." and you can type your new title

How to Find Your New File

Log in to your Google Drive (drive.google.com) → Click "My Drive" from the left navigation bar if not already selected → Your new file will be listed



How to Share Slides with Students (if not using Google Classroom)

Option 1: Have Students Make a Copy

Open the Slides from Google Drive → Select the "Share" button near the top right corner → Select "Get Shareable Link" from the top right of the pop-up → Select the link, copy/paste however you usually send information to students → By default, this link will allow anyone to VIEW the Slides. For students to make their own copy of this file to work in, they must go to "File" → "Make a copy"

Option 2: Share a Link that Gives Full Control

Need extra help? Check out these Google Slides Tutorial Videos

How to Add & Remove Slides

To ADD a slide: Open a Slides presentation → Select the "+" button in the top left corner that says "New slide" when you hover over it.



To DELETE a slide: Open a Slides presentation → Select the slide you would like to delete → Press "Delete" on your keyboard OR right-click the slide and select "Delete"

How to Print Slides

To print each slide as its own page, go to "File" → "Print"



To adjust print settings such as how many slides per page and whether or not to include notes for Slides, go to "File" → "Print settings and preview" → Adjust print settings in the dropdown menu across the top → Select "Print"

If Using Google Classroom:

How to Share Slides with Google Classroom

In Google Classroom, select the "Classwork" tab → Select the "+ Create" button → Select "Assignment" → Select "Add" → "Google Drive" → Navigate to your Slides → From the dropdown menu, select "Make a Copy for Each Student" so everyone has their own copy to edit (if that is what you want)



How Students Work in Slides with Google Classroom

In Google Classroom, select the "Classwork" tab → Select the assignment and click on the Google Slides link with your name on it → Complete the task(s)



To submit, go back to Google Classroom → "Classwork" tab → Select the assignment → Select "View assignment" → On the right side, select the "Submit" button → Confirm that you are submitting the correct assignment

How to View Student Work with Google Classroom

In Google Classroom, select the "Classwork" tab → Select the assignment and click on "Turned in" → Select the thumbnail image or name of the file → Use the bar on the right to enter a grade and comments (optional) → Select "Return" in the top right corner so students will regain access to the file and be able to see their feedback

