Name_____



Math Challeng
Crayon Boxes

Mrs. Manning is buying a crayon box for every st
24 crayons in every box. If Mrs. Manning buys 72
crayons did Mrs. Manning buy?

Show your work in the bo

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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? How did you keep track of your work? What strategies did you use to solve the problem?



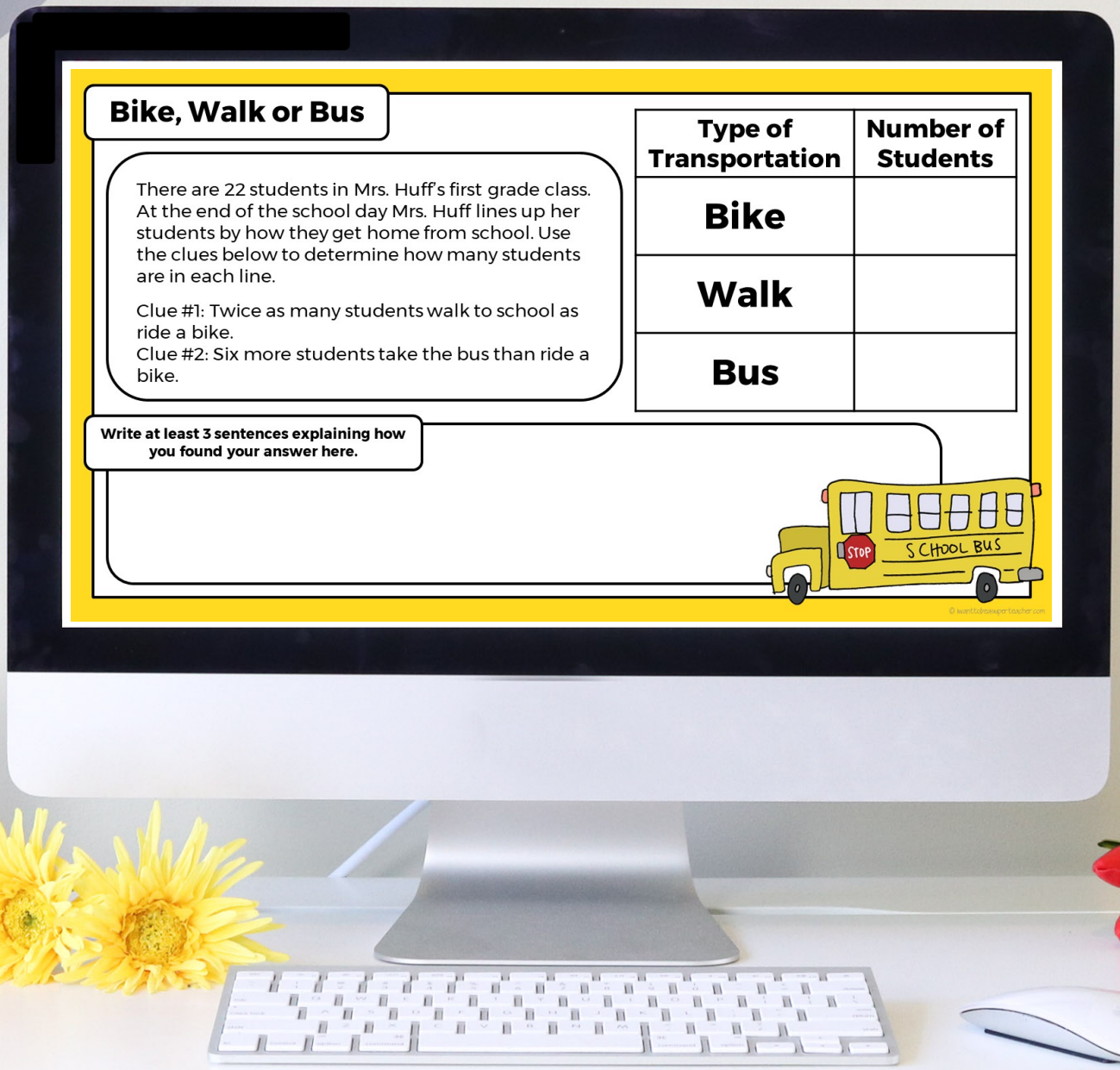
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Math Challenges & Brainteasers with Back to School themes including: school supplies, recess, class assignments, lunch, teaching, libraries, specialty classes, & centers

Print & Go PDF


Colored Pencil Order
Singles
(1 colored pencil)
Write at least 3 sentences explaining how you found your answer. What did you do first, second, last? How did you decide which numbers to try first? How did you keep track of your work? What strategies did you use to solve the problem?
First, I made a table with cells for
bike kids, bus kids, walk kids, and total
kids. Second,
by using
to start with
low. Third,
an easy nu
was a litt
4, and it
Name
Math Challenge
Bike, Walk, or Bus
There are 22 students in Mrs. Huff's first grade clas
school day Mrs. Huff lines up her students by how t
Use the clues below to determine how many studen
Clue #1: Twice as many students walk to school as
Clue #2: Six more students take the bus than ride
Show your work in the bo
Bike
Bus (Bike+6)

+ Google Slides versions



13 Math Challenges

Name_____



Math Challenge
Center Activities

Mrs. Robinson's 30 third grade students are working at centers. There is at least one student at every center. Mrs. Robinson has 5 centers in her room: reading nook, writer's notebooks, computers, teacher time, and lightbulb lab. Use the clues below to determine how many students are working at each center.

Clue #1: There are less than ten students at every center.
Clue #2: There are 17 students at lightbulb lab and teacher time.
Clue #3: There are ten students at computers and writer's notebooks.
Clue #4: There is one more student at teacher time than at lightbulb lab.
Clue #5: There are 2 fewer students working at computers than at writer's notebooks.

Show your work in the box below.

Name_____



Math Challenge
Lunch Number Who am I?

Use the clues below to determine the lunch number on Sammy's lunch card.

Clue #1: I am a four digit number less than 2,000.
Clue #2: The sum of my digits is 9.
Clue #3: The digit in the ones place is 3 more than the digit in the thousands place.
Clue #4: The digits in the tens and hundreds places are the same.

Use the box below to show your work.

Name_____



Math Challenge
Penny Prep

Mr. G is planning a get-to-know-you activity for his students on the first day of school. For this activity, every student will need 15 pennies. If he has 27 students, how many total pennies will Mr. G need for the activity?

Show your work in the box below.

Name_____



Math Challenge
Bike, Walk, or Bus

There are 22 students in Mrs. Huff's first grade class. At the end of the school day Mrs. Huff lines up her students by how they get home from school. Use the clues below to determine how many students are in each line.

Clue #1: Twice as many students walk to school as ride a bike.
Clue #2: Six more students take the bus than ride a bike.

Show your work in the box below.

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Name_____



Math Challenge
What's For Lunch?

Sarah is packing her lunch for the first day of school. She is going to include one sandwich, one fruit, and one drink. She can choose from three types of sandwiches: tuna, cheese, and pbj. She can choose from 2 types of fruit: banana or grapes. She has two choices of drink: white milk or chocolate milk. How many possible lunch combinations does Sarah have if she has one sandwich, one fruit, and one drink in her lunch?

Find an organized way to show **all possible combinations** and the answer in the box below.

Name_____

Math Challenge
Lunch Card Mix Up

Miss Sasser accidently mixed up one number on Lester and Anderson's lunch cards. If the incorrect numbers are switched, then the numbers on each lunch card will have the same sum. What is the sum of the digits on each lunch card once the numbers have been moved?



Use the box below to show your work.

Name_____



Math Challenge
Pencils & Erasers

Leah brought dimes and quarters to buy pencils and erasers at the school store. Erasers cost ten cents. Pencils cost twenty-five cents. If Leah spent $2.25 in all and used 15 total coins, what did she buy?

Show your work in the box below.

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Name_____



Math Challenge
School Supplies

Aaron is buying rulers, notebooks, and Sharpie markers to donate to his class supply bins. Aaron bought 5 total supplies. Rulers are $0.75, notebooks are $1.25, and Sharpie markers are $1.50. Use the clues below to determine how many of each type of school supply Aaron bought.

Clue #1: Aaron bought at least one of each type of supply.
Clue #2: Aaron paid for the items with a $10.00 bill.
Clue #3: He received $1.25 in change.

Show your work in the box below.

Name_____



Math Challenge
Library Leftovers

Mrs. Ferguson has 20 book bins in her classroom library. There are 15 books in each book bin. On the first day of school, Mrs. Ferguson asks every one of her 25 students to choose 2 books from the classroom library to keep in his or her desk. If every student follows directions, how many books will Mrs. Ferguson have left in her classroom library?

Show your work in the box below.

Name_____



Math Challenge
Crayon Boxes

Mrs. Manning is buying a crayon box for every student in her class. There are 24 crayons in every box. If Mrs. Manning buys 720 crayons, how many boxes of crayons did Mrs. Manning buy?

Show your work in the box below.

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Name_____



Math Challenge
Assessment Day

Before school starts, all of Mr. SandFort's students come to meet the teacher and complete two assessments with him. The reading assessment takes 15 minutes, and the math assessment takes 5 minutes. How many hours will it take for Mr. SandFort to give the assessments to every student if he has 27 students in his class this year?

Show your work in the box below.

Name_____



Math Challenge
Obstacle Course

Mr. Villecco is setting up an obstacle course for the first day of P.E. If he sets up 10 obstacles and students take 45 seconds to complete each obstacle, how many minutes and seconds will it take for a student to complete the obstacle course?

Show your work in the box below.

Name_____



Math Challenge
Specialty Classes

Miss Macdonald's class is wondering when they get to go to their specialty classes (art, music, P.E., computers, library). Miss Macdonald gives them these clues. What time will Miss Macdonald's class go to their specialty class?

Clue #1: Specialty classes are 2 hours before dismissal.
Clue #2: Lunch is 3 hours and 45 minutes after school starts.
Clue #3: Dismissal is 3 hours 15 minutes after lunch.
Clue #4: School starts at 8:30 a.m.

Show your work in the box below.

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13 Brainteasers

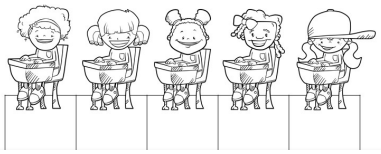
Name_____

Desks in a Row

There are five girls sitting in a row of desks. Use the clues below to determine which desk belongs to each girl.

1. There are 2 desks between Leila and Ali.
2. Jillian sits right in front of Katlyn.
3. Danica sits right behind Leila.

Cut out the cards at the bottom of the page to help you if you would like. Then write your answers in the boxes below.



Name_____

Class Assignments



Elaine, Henry, Jamie, and Robert are students at Westside Elementary. Each student is in a different grade (1st, 2nd, 3rd and 4th) and has a different teacher.

Use the clues below to determine the grade level of each student and the name of his or her teacher.

1. The boys (Robert and Henry) are not in 3rd grade.
2. Mr. Fox teaches 2nd grade.
3. Elaine is one grade above Henry.
4. Robert is in Ms. Olsen's class.
5. Elaine is not in 2nd grade.
6. Mr. Hespe teaches 1st grade.
7. Mrs. Williams teaches 3rd grade.



Show your work and your answer here:



Name_____



Lunch Tables

There are five grade level tables in the cafeteria. Use the clues below to determine which table is reserved for each grade level.

1. The 5th grade table is between the 3rd and 4th grade tables.
2. The 1st grade table is next to the 4th grade table.
3. The 3rd grade table is closer to the kitchen than the 1st grade table.
4. The 1st graders sit closer to the outside door than the 2nd graders.

Kitchen

Name_____

Recess Activities



Each of these students is in a different grade (2nd, 3rd, 4th, 5th) and has a different favorite recess activity (swings, slide, tag, zip line).

Use the clues below to determine the grade level of each student and what his or her favorite recess activity is.

1. One of the girls (Maggie or Kylie) likes the zip line best.
2. Kylie is in the grade above Maggie.
3. The 4th grader likes to play tag.
4. Stephen is in the grade below Alden.
5. Stephen does not like to play tag.
6. The 2nd grader likes the swings best.



Show your work and your answer here:





Maggie is in _____ grade and likes _____.

Kylie is in _____ grade and likes _____.

Stephen is in _____ grade and likes _____.

Alden is in _____ grade and likes _____.

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Name_____

Colored Pencil Orders •1

Mrs. Jaramillo, the principal at Meadowlark Elementary, has ordered colored pencils for every room. Colored pencils come packaged in singles and boxes. Fill in the order form below with the total number of colored pencils that will be sent to each room.

Example: 5 singles, 13 boxes= 5 ones and 13 tens = 135 total colored pencils

	Singles (1 colored pencil)	Boxes (10 colored pencils)	Total Colored Pencils
Classroom •1	2	3	
Classroom •2	6	2	
Classroom •3	10	4	
Classroom •4	0	6	
Classroom •5	12	2	
Classroom •6	9	10	
Classroom •7	12	12	
Classroom •8	20	15	
Classroom •9	0	22	
Classroom •10	50	18	
Teacher Workroom	0	100	

Name_____

Colored Pencil Orders •2

Mrs. Stacy, the superintendent of Mapleton School District, has ordered colored pencils for every school. Colored pencils come packaged in singles, boxes, and crates. Fill in the order form below with the total number of colored pencils that will be sent to each school.

Example: 7 singles, 15 boxes, 1 crate= 7 ones, 15 tens, and 1 hundred =257 total colored pencils

	Singles (1 colored pencil)	Boxes (10 colored pencils)	Crates (100 colored pencils)	Total Colored Pencils
School •1	1	10	1	
School •2	5	9	2	
School •3	11	7	6	
School •4	25	0	9	
School •5	15	5	5	
School •6	9	1	10	
School •7	7	0	10	
School •8	10	20	10	
School •9	0	20	8	
School •10	10	25	5	
School •11	11	11	11	

Name_____



School Supply Sentences •1

Balance each set of equations by determining the hidden number in each set of number sentences.

1. ☐ + 3 = 12 − 2	2. 5 + ☐ = 16 − 3	3. 10 + 5 = 4 + ☐
4. ☐ − 1 = 15 − 10	5. 20 − 4 = ☐ + 8	6. 12 + ☐ = 9 + 9
7. 9 + ☐ = 6 + 7	8. ☐ − 4 = 17 − 9	9. ☐ + 7 = 20 − 3
10. 17 − 9 = ☐ + 4	11. 4 + 12 = 7 + ☐	12. 19 − 4 = ☐ + 8
13. ☐ + 3 = 7 + 4	14. 9 − 3 = ☐ + 4	15. 14 − 4 = 8 + ☐
16. 13 − 6 = ☐ + 1	17. ☐ + 6 = 7 + 7	18. 20 − ☐ = 4 + 5

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Name_____



School Supply Sentences •2

Balance each set of equations by determining the hidden number in each set of number sentences.

1. ☐ + 15 = 55 − 25	2. 50 − ☐ = 75 − 45	3. 12 + 24 = 72 − ☐
4. 40 − 16 = ☐ + 12	5. 90 − 40 = 11 + ☐	6. 17 + ☐ = 100 − 61
7. 45 + ☐ = 90 − 25	8. 33 + 44 = ☐ + 57	9. 40 − 12 = 10 + ☐
10. 85 − 16 = ☐ − 30	11. ☐ + 47 = 26 + 73	12. 60 − 19 = ☐ − 1
13. 41 − 14 = 71 − ☐	14. 11 + 55 = ☐ − 34	15. ☐ − 12 = 81 − 64
16.	17.	18.

Name_____

GO TEAM

TEAM Brainteaser

Arrange the letters in TEAM so there is only one of each letter in the word in every row, column, and 2x2 box.

T			E
	A		M

Name_____

YOU CAN DO IT!

WORK Brainteaser

Arrange the letters in WORK so there is only one of each letter in the word in every row, column, and 2x2 box.

	R		
O			
			K
W			

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Name_____



TEACH Brainteaser

Arrange the letters and symbol in TEACH so there is one of every letter or symbol in the word in every row, column, and 2x3 box.

A					C
	C		H		
			T		
	H	T			

Name_____



LEARN Brainteaser

Arrange the letters and symbol in LEARN so there is one of every letter or symbol in the word in every row, column, and 2x3 box.

L		A		E	
A			L		R
N					
					A

Name_____



DISCOVERY Brainteaser

Arrange the letters in DISCOVERY so there is one of every letter in the word in every row, column, and 3x3 box.

				Y		E	V	O
			S	C				
			O				R	
	E			I	Y			V
Y				E			O	
			V			D		
O	D	C			I		Y	
	V			R			D	
		Y						C

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Name_____



Math Challeng
What's for Lun

Sarah is packing her lunch for the first day of s
sandwich, one fruit, and one drink. She can
sandwiches: tuna, cheese, and pbj. She can
banana or grapes. She has two choices
How many possible lunch combinations d
one fruit, and one drink in her l ch?

Find an organi
and

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Write at least 3 sentences explaining how you found your answer. What did you do first, second, last? How did you know when you had found all the possible combinations? How did you decide to organize your work?



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

Answer Keys

Math Challenge
Center Activities
Answer Key

Mrs. Robinson's 30 third grade students are working at centers. There is at least one student at every center. Mrs. Robinson has 5 centers in her room: reading nook, writer's notebooks, computers, teacher time, and lightbulb lab. Use the clues below to determine how many students are working at each center.

Clue #1: There are less than ten students at every center.
Clue #2: There are 17 students at lightbulb lab and teacher time.
Clue #3: There are ten students at computers and writer's notebooks.
Clue #4: There is one more student at teacher time than at lightbulb lab.
Clue #5: There are 2 fewer students working at computers than at writer's notebooks.

Show your work in the box below.

3 students are at the reading nook center.
4 students are at the computer center.
6 students are at the writer's notebook center.
8 students are at the lightbulb lab center.
9 students are at the teacher time center.

Math Challenge
Lunch Number Who am I?
Answer Key

Use the clues below to determine the lunch number on Sammy's lunch card.

Clue #1: I am a four digit number less than 2,000.
Clue #2: The sum of my digits is 9.
Clue #3: The digit in the ones place is 3 more than the digit in the thousands place.
Clue #4: The digits in the tens and hundreds places are the same.

Use the box below to show your work.

Sammy's lunch number is 1,224.

The other two numbers that fit with clues 2-4 are 2,115 and 3,006. Both of these are greater than 2,000 so Sammy's lunch number is 1,224.

Math Challenge
Penny Prep
Answer Key

Mr. G is planning a get-to-know-you activity for his students on the first day of school. For this activity, every student will need 15 pennies. If he has 27 students, how many total pennies will Mr. G need for the activity?

Show your work in the box below.

Mr. G will need 405 pennies for the activity.

15x27=405

Although a few of your most advanced students might know how to multiply, they don't need to know the traditional multiplication algorithm to solve this problem.

There are a variety of ways to solve this problem that do not involve traditional multiplication. Students who are able to use these strategies show a greater mastery of number sense than those who simply use the traditional algorithm in my opinion. These are the types of strategies I would hope to see from advanced 2nd and 3rd graders at the beginning of the year:

Add 15 27 times
Add 27 15 times
Add 27 ten times to get 270 and then add 5 more 27s
Add 27 ten times to get 270, then add half of 270 (135) to get 405
Add 27 five times to get 135, then add 135 3 times to get 405

Math Challenge
Bike, Walk, or Bus
Answer Key

There are 22 students in Mrs. Huff's first grade class. At the end of the school day Mrs. Huff lines up her students by how they get home from school. Use the clues below to determine how many students are in each line.

Clue #1: Twice as many students walk to school as ride a bike.
Clue #2: Six more students take the bus than ride a bike.

Show your work in the box below.

8 students are in the walk line.
10 students are in the bus line.
4 students are in the bike line.

For a 2nd or 3rd grade student at the beginning of the year I would love to see them create a table or chart

Math Challenge
What's For Lunch?
Answer Key

Sarah is packing her lunch for the first day of school. She is going to include one sandwich, one fruit, and one drink. She can choose from three types of sandwiches: tuna, cheese, and pb&j. She can choose from 2 types of fruit: banana or grapes. She has two choices of drink: white milk or chocolate milk. How many possible lunch combinations does Sarah have if she has one sandwich, one fruit, and one drink in her lunch?

Find an organized way to show **all possible combinations** and the answer in the box below.

Sarah has 12 possible lunch combinations.

	Sandwich	Fruit	Drink
1	Tuna	Banana	White milk
2	Cheese	Banana	White milk
3	PB&J	Banana	White milk
4	Tuna	Banana	Chocolate milk
5	Cheese	Banana	Chocolate milk
6	PB&J	Banana	Chocolate milk
7	Tuna	Grapes	White milk
8	Cheese	Grapes	White milk
9	PB&J	Grapes	White milk
10	Tuna	Grapes	Chocolate milk
11	Cheese	Grapes	Chocolate milk
12	PB&J	Grapes	Chocolate milk

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Math Challenge
Lunch Card Mix Up
Answer Key

Miss Sasser accidently mixed up one number on Lester and Anderson's lunch cards. If the incorrect numbers are switched, then the numbers on each lunch card will have the same sum. What is the sum of the digits on each lunch card once the numbers have been moved?



Use the box below to show your work.

The sum of the digits on the cards is 23.

There are two possible combinations of numbers students can use to get to the correct answer:

Students can move the 3 and the 6 to get a total of 23 on each

Math Challenge
Pencils & Erasers
Answer Key

Leah brought dimes and quarters to buy pencils and erasers at the school store. Erasers cost ten cents. Pencils cost twenty-five cents. If Leah spent $2.25 in all and used 15 total coins, what did she buy?

Show your work in the box below.

Leah bought 10 erasers and 5 pencils.

All the combinations of dimes and quarters that total $2.25 are shown below. The only combination that uses 15 coins is 10 dimes (erasers) and 5 quarters (pencils).

Erasers I dime $0.10	Pencils I quarter $.25	Total

Math Challenge
School Supplies
Answer Key

Aaron is buying rulers, notebooks, and Sharpie markers to donate to his class supply bins. Aaron bought 5 total supplies. Rulers are $0.75, notebooks are $1.25, and Sharpie markers are $1.50. Use the clues below to determine how many of each type of school supply Aaron bought.

Clue #1: Aaron bought at least one of each type of supply.
Clue #2: Aaron paid for the items with a $10.00 bill.
Clue #3: He received $4.25 in change.

Show your work in the box below.

Aaron bought 2 rulers, 1 notebook, and 2 Sharpie markers

All the combinations for 5 school supplies are shown below. If Aaron received $4.25 in change, he spent $5.75 on the supplies.

Ruler $0.75	Notebooks $1.25	Sharpie Markers $1.50	
1	1	3	$6.50
1	2	2	$6.25
1	3	1	$6.00
2	1	2	$5.75
2	2	1	$5.50
3	1	1	$5.00

Math Challenge
Library Lefovers
Answer Key

Mrs. Ferguson has 20 book bins in her classroom library. There are 15 books in each book bin. On the first day of school, Mrs. Ferguson asks every one of her 25 students to choose 2 books from the classroom library to keep in his or her desk. If every student follows directions, how many books will Mrs. Ferguson have left in her classroom library?

Show your work in the box below.

Mrs. Ferguson will have 250 books left in her library.

20 book bins x 15 books per bin = 300 total books
25 student's x 2 books per student = 50 books taken out of library
300 - 50 = 250 books left

At the beginning of the year I would not expect 2nd and 3rd grade

Math Challenge
Crayon Boxes
Answer Key

Mrs. Manning is buying a crayon box for every student in her class. There are 24 crayons in every box. If Mrs. Manning buys 720 crayons, how many boxes of crayons did Mrs. Manning buy?

Show your work in the box below.

Mrs. Manning bought 30 boxes of crayons

720 ÷ 24 = 30

I would not expect a 2nd or 3rd grader to be able to use the traditional division algorithm to solve this problem.

There are a variety of ways to solve this problem that do not involve traditional division. Students who are able to use these strategies show a greater mastery of number sense than those who simply use the traditional algorithm in my opinion. These are the types of strategies I would hope to see from advanced 2nd and 3rd graders at the beginning of the year. The strategies listed below are in order from least to most advanced.

Add 24 until you get to 720 - 30 times
Subtract 24 from 720 until you get to 0 - 30 times
Add 24 until you get to a friendly number like 240 - then see how many times you would need to add 240 to get to 720 - 3 times (3 groups of 10 times = 30 total 24s)

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Math Challenge
Assessment Day
Answer Key

Before school starts, all of Mr. SandFort's students come to meet the teacher and complete two assessments with him. The reading assessment takes 15 minutes, and the math assessment takes 5 minutes. How many hours will it take for Mr. SandFort to give the assessments to every student if he has 27 students in his class this year?

Show your work in the box below.

Mr. SandFort will spend 9 hours giving the assessments.

15 minutes + 5 minutes = 20 total minutes for both assessments
20 minutes x 27 students = 540 total minutes
540 minutes ÷ 60 minutes in an hour = 9 hours giving assessments

I would not expect a 2nd or 3rd grader to be able to use the

Math Challenge
Obstacle Course
Answer Key

Mr. Villecco is setting up an obstacle course for the first day of P.E. If he sets up 10 obstacles and students take 45 seconds to complete each obstacle, how many minutes and seconds will it take for a student to complete the obstacle course?

Show your work in the box below.

A students needs 7 minutes and 30 seconds (7:30) to complete the obstacle course.

10 obstacles x 45 seconds per obstacle = 450 seconds
450 seconds ÷ 60 seconds per minute = 7 minutes 30 seconds

I would not expect a 2nd or 3rd grader to be able to use the traditional multiplication or division algorithms to solve this problem.

Math Challenge
Specialty Classes
Answer Key

Miss Macdonald's class is wondering when they get to go to their specialty classes (art, music, P.E., computers, library). Miss Macdonald gives them these clues. What time will Miss Macdonald's class go to their specialty class?

Clue #1: Specialty classes are 2 hours before dismissal.
Clue #2: Lunch is 3 hours and 45 minutes after school starts.
Clue #3: Dismissal is 3 hours 15 minutes after lunch.
Clue #4: School starts at 8:30 a.m.

Show your work in the box below.

Specialty classes are at 1:30 p.m.

School starts: 8:30 a.m. (given in Clue #4)
Lunch: 12:15 p.m. (3 hours 45 minutes after 8:30 using Clue #2)
Specialty classes: 1:30 p.m. (2 hours before dismissal using Clue #1)
Dismissal: 3:30 p.m. (3 hours 15 minutes after lunch using Clue #3)

Creating a timeline or number line would be very helpful for students who are struggling with this problem.

Desks in a Row
Answer Key

There are five girls sitting in a row of desks. Use the clues below to determine which desk belongs to each girl.

1. There are 2 desks between Leila and Ali.
2. Jillian sits right in front of Kathryn.
3. Danica sits right behind Leila.

Cut out the cards at the bottom of the page to help you if you would like. Then write your answers in the boxes below.



Class Assignments
Answer Key

Elaine, Henry, Jamie, and Robert are students at Westside Elementary. Each student is in a different grade (1st, 2nd, 3rd and 4th) and has a different teacher.

Use the clues below to determine the grade level of each student and the name of his or her teacher.

1. The boys (Robert and Henry) are not in 3rd grade.
2. Mr. Fox teaches 2nd grade.
3. Elaine is one grade above Henry.
4. Robert is in Ms. Olsen's class.
5. Elaine is not in 2nd grade.
6. Mr. Hespe teaches 1st grade.
7. Mrs. Williams teaches 3rd grade.

Show your work and your answer here:



Robert is in 4th grade and his teacher is Ms. Olsen.
Henry is in 2nd grade and his teacher is Mr. Fox.
Jamie is in 1st grade and her teacher is Mr. Hespe.
Elaine is in 3rd grade and her teacher is Mrs. Williams.

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Lunch Tables
Answer Key

There are five grade level tables in the cafeteria. Use the clues below to determine which table is reserved for each grade level.

1. The 5th grade table is between the 3rd and 4th grade tables.
2. The 1st grade table is next to the 4th grade table.
3. The 3rd grade table is closer to the kitchen than the 1st grade table.
4. The 1st graders sit closer to the outside door than the 2nd graders.

Kitchen

2nd grade

3rd grade

5th grade

4th grade

1st grade

Door to outside

Recess Activities
Answer Key

Each of these students is in a different grade (2nd, 3rd, 4th, 5th) and has a different favorite recess activity (swings, slide, tag, zip line).

Use the clues below to determine the grade level of each student and what his or her favorite recess activity is.

1. One of the girls (Maggie or Kylie) likes the zip line best.
2. Kylie is in the grade above Maggie.
3. The 4th grader likes to play tag.
4. Stephen is in the grade below Aiden.
5. Stephen does not like to play tag.
6. The 2nd grader likes the swings best.



Show your work and your answer here:

Maggie is in 4th grade and likes to play tag.
Kylie is in 5th grade and likes the zip line.
Stephen is in 2nd grade and likes the swings.

Colored Pencil Orders #1
Answer Key

Mrs. Jaramillo, the principal at Meadowlark Elementary, has ordered colored pencils for every room. Colored pencils come packaged in singles and boxes. Fill in the order form below with the total number of colored pencils that will be sent to each room.

Example 5 singles, 13 boxes= 5 ones and 13 tens = 135 total colored pencils

	Singles (1 colored pencil)	Boxes (10 colored pencils)	Total Colored Pencils
Classroom #1	2	3	32
Classroom #2	6	2	26
Classroom #3	10	4	50
Classroom #4	0	6	60
Classroom #5	12	2	32
Classroom #6	9	10	109
Classroom #7	12	12	132
Classroom #8	20	15	170
Classroom #9	0	22	220
Classroom #10	50	18	230
Teacher Workroom	0	100	1,000
Front Office	62	13	192

Colored Pencil Orders #2
Answer Key

Mrs. Stacy, the superintendent of Mapleton School District, has ordered colored pencils for every school. Colored pencils come packaged in singles, boxes, and crates. Fill in the order form below with the total number of colored pencils that will be sent to each school.

Example 7 singles, 15 boxes, 1 crate= 7 ones, 15 tens, and 1 hundred =257 total colored pencils

	Singles (1 colored pencil)	Boxes (10 colored pencils)	Crates (100 colored pencils)	Total Colored Pencils
School #1	1	10	1	201
School #2	5	9	2	295
School #3	11	7	6	681
School #4	25	0	9	925
School #5	15	5	5	565
School #6	9	1	10	1,019
School #7	7	0	10	1,007
School #8	10	20	10	1,210
School #9	0	20	8	1,000
School #10	10	25	5	760
School #11	11	11	11	1,221
School #12	15	15	15	1,665
School #13	50	5	8	900

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GO TEAM
TEAM Brainteaser
Answer Key

Arrange the letters in TEAM so there is only one of each letter in the word in every row, column, and 2x2 box.

T	M	A	E
E	A	M	T
M	T	E	A
A	E	T	M

YOU CAN DO IT!
WORK Brainteaser
Answer Key

Arrange the letters in WORK so there is only one of each letter in the word in every row, column, and 2x2 box.

K	R	O	W
O	W	K	R
R	K	W	O
W	O	R	K

TEACH Brainteaser
Answer Key

Arrange the letters and symbol in TEACH so there is one of every letter or symbol in the word in every row, column, and 2x3 box.

E	T	C	🍎	A	H
A	🍎	H	E	T	C
T	C	🍎	H	E	A
H	A	E	T	C	🍎
C	H	T	A	🍎	E
🍎	E	A	C	H	T

LEARN Brainteaser
Answer Key

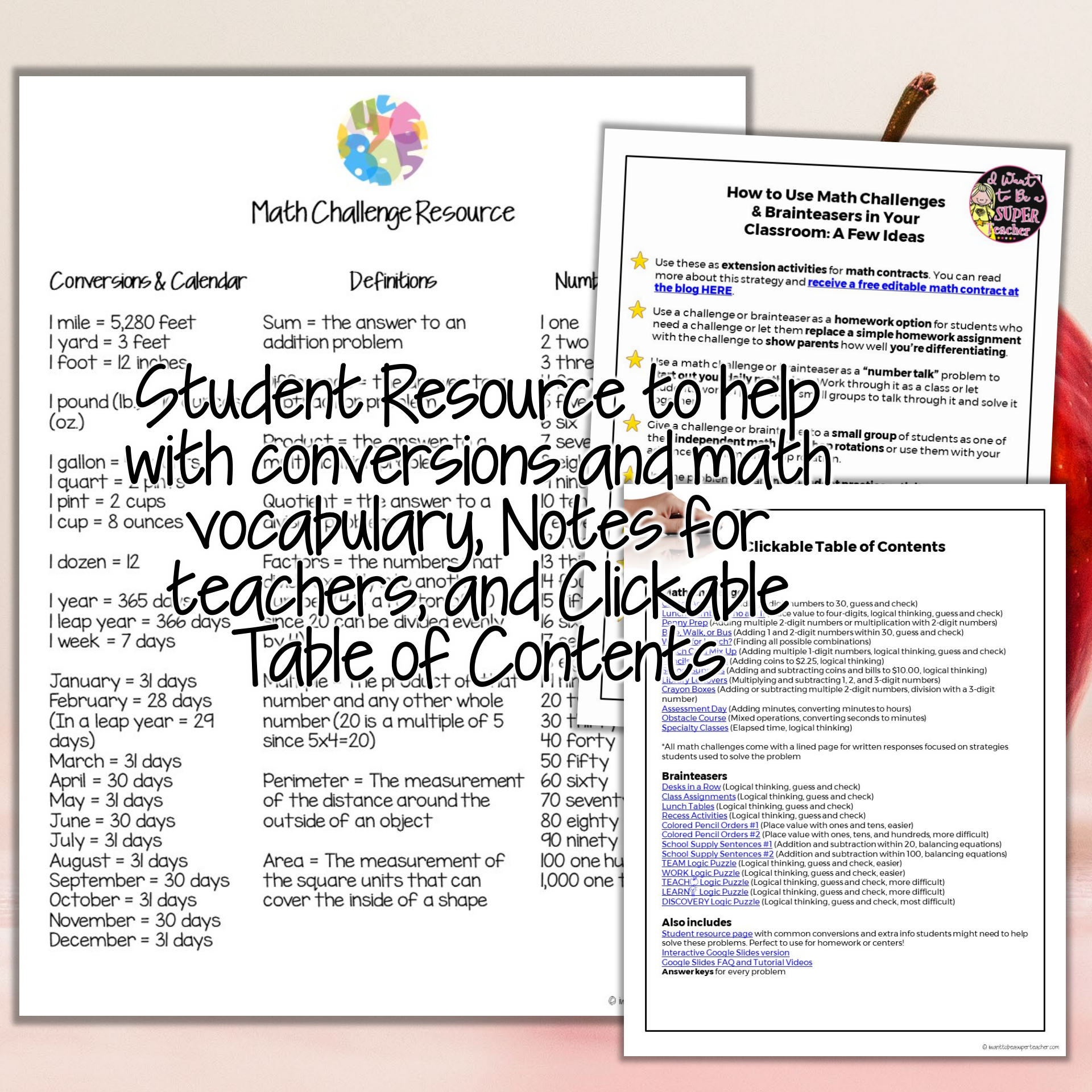
Arrange the letters and symbol in LEARN so there is one of every letter or symbol in the word in every row, column, and 2x3 box.

L	💡	A	R	E	N
E	N	R	A	💡	L
A	E	💡	L	N	R
N	R	L	E	A	💡
💡	L	E	N	R	A
R	A	N	💡	L	E

DISCOVERY Brainteaser
Answer Key

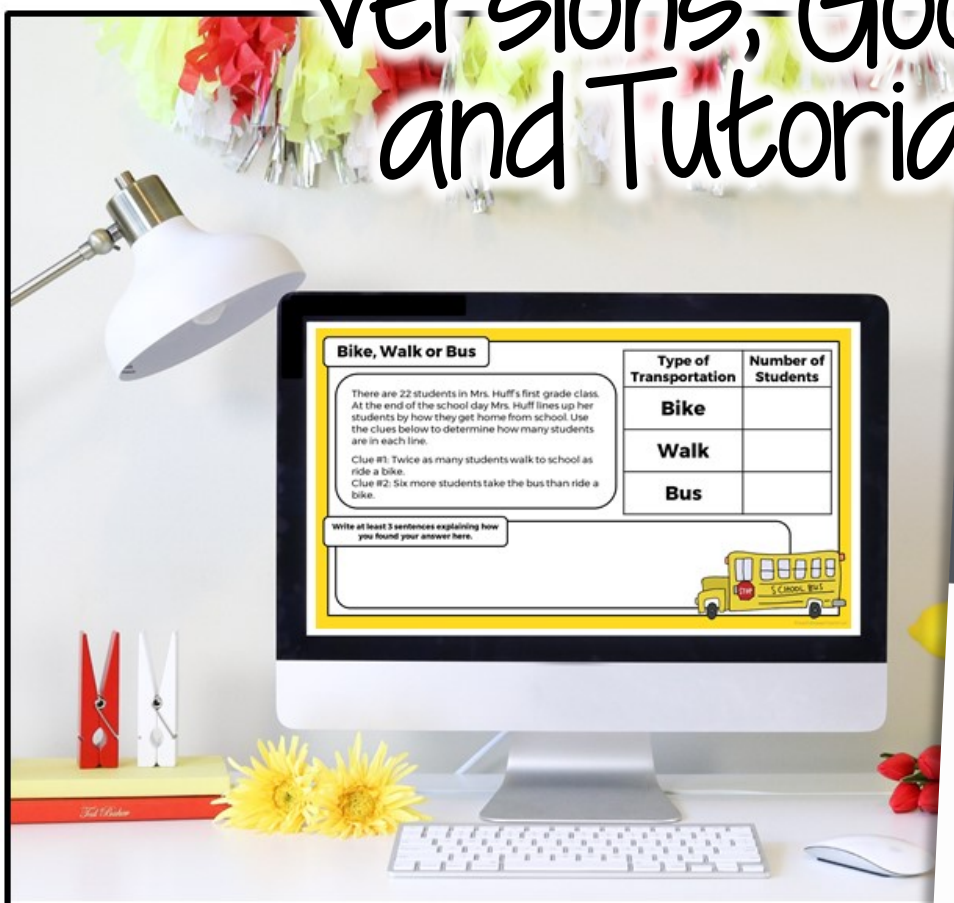
Arrange the letters in DISCOVERY so there is one of every letter in the word in every row, column, and 3x3 box.

S	C	D	I	Y	R	E	V	O
R	O	E	S	C	V	Y	I	D
V	Y	I	O	D	E	C	R	S
D	E	O	R	I	Y	S	C	V
Y	S	V	C	E	D	R	O	I
C	I	R	V	O	S	D	E	Y
O	D	C	E	S	I	V	Y	R
I	V	S	Y	R	C	O	D	E
E	R	Y	D	V	O	I	S	C



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

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see the next two pages which include Google Slides ™ FAQ and Tut
Videos.

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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 Forces

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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

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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

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