Name_____



Math Challenge
Penguin Feast

The penguins at Pinewood Glen are going fishing for delici
100 krill in all! Use the clues below to determine how man
caught to feast on.

Clue #1: Pepper caugh half ...ip d.
Clue #2: Penny caugh ess
Clue #3: Penny caugh more than half of the kr...
Clue #4: Paisley caught ...mes the a...ount ...krill th
Clue #5: Phillip and Pepp...

© iwanttobeasuperteacher.com

Name_____



Super Bowl Balancing #1

Balance each set of equations by determining the
hi... number in each set of nu...er sentences.

... = 19	3. 12 - 4 = ◯ + 4	
7 ... 8 + 3 = ... 6	6. 19 - GO TEAM = 5 + 4	
7. ... + 7 = 19 - 2	8. ... 15 = 2	9. 11 + 7 = ◯ + 9
... 9 1...	11. 1... + 2 = ...	... + GO TEAM = 17 - 4
... 7 = 1...	14. 1... =	15. 18 - 6 = 2 + ◯
16. 19 = ...	... 11 - 4	18. 16 + ◯ = 9 + 11

© iwanttobeasuperteacher.com

Math Challenges & Brainteasers for January with New Year's, winter, snow, arctic animal, and football themes

Print & Go PDF

Math Challenge
Penguin Feast

Name

Math Challenge
Snowball Switch #1

Both piles of snowballs can have equal sums if one number from each pile is moved to the other.

What numbers should be moved? 12 and 5

What is the sum of each pile when the numbers are moved? 34



Math Challenge
Highest Scoring Super Bowl

Diego Chargers played in
ow to determine each te
the game.
more than San Diego
in the box below

sD

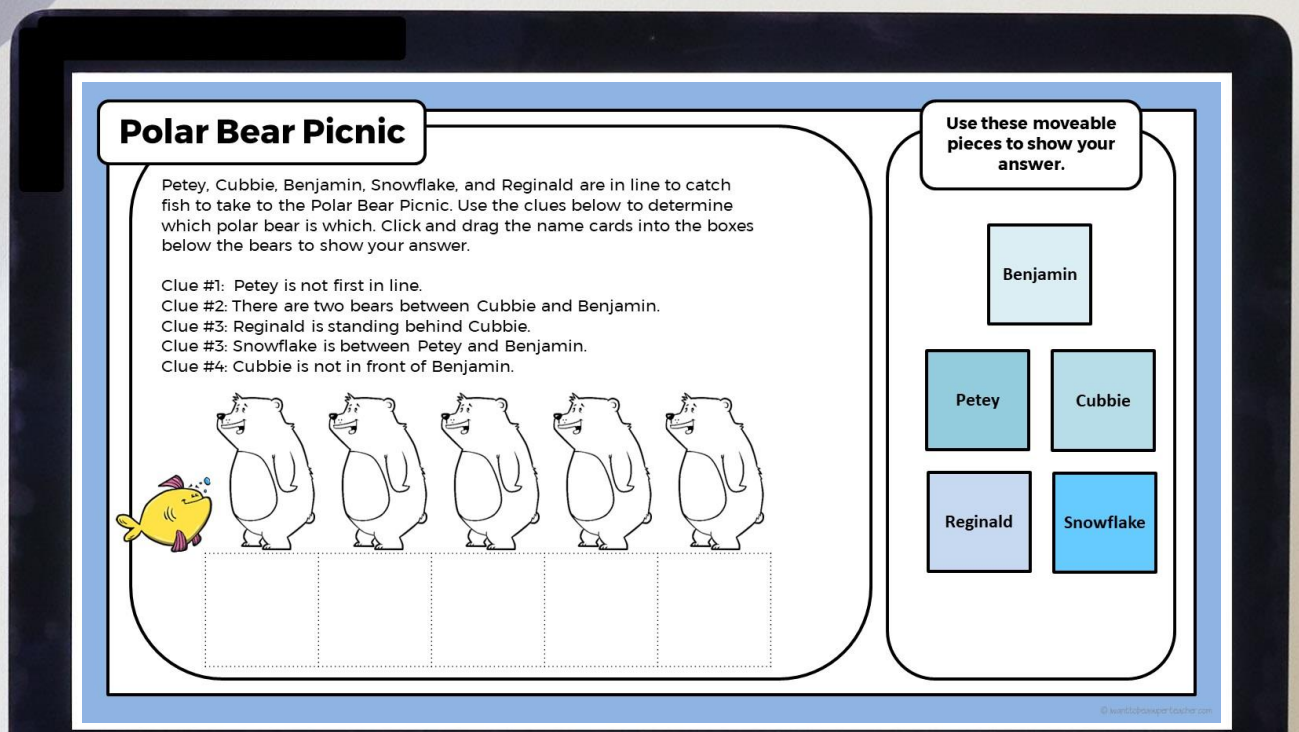
at least 3 sentences explaining how you found your answer.
did you do first, second, last? What combinations of
numbers did you try first? How did you keep track of your
work? What strategies did you use to solve the problem?

First, I added the numbers together
for the original piles of boulders. Next,
I chose to switch 10 and 13 because 10
is an easy number to wo
realized that the
similar -

the clues to decide
hen I made a

answer
s of
your
solve the problem?

+ Google Slides versions



13 Math Challenges

Name_____



Math Challenge
Penguin Feast

The penguins at Pinewood Glen are going fishing for delicious krill. They caught 100 krill in all! Use the clues below to determine how many krill each penguin caught to feast on.

Clue #1: Pepper caught half the krill that Phillip did.
Clue #2: Penny caught less than 55 krill.
Clue #3: Penny caught more than half of the krill.
Clue #4: Paisley caught four times the amount of krill that Pepper did.
Clue #5: Phillip and Pepper caught 21 krill altogether.

Show your work in the box below.

Name_____



Math Challenge
2015 NFL Stats

During the 2015 NFL regular season, these were the top 10 offensive scoring teams. Complete the missing points in the table using the clues below to help you.

- The Carolina Panthers were halfway to 1,000 points.
- The Panthers and Redskins scored 888 points altogether.
- The Bengals scored 81 points less than the Panthers.
- The Saints scored exactly 20 points more than the Redskins.
- The Cardinals scored 11 points fewer than the Panthers.
- The Patriots and the Cardinals scored 958 points in all.
- The total amount of points the Giants scored is a multiple of ten.
- The two teams ranked 4th scored the same amount of points.

Rank	Team	Total Points Scored by Offense

Name_____



Math Challenge
Record Snowfall

Get out the shovel! The all-time seasonal snowfall record was set at Mount Baker Ski Area in Washington State during the 1998-1999 snow season. Use the clues below to determine **how many inches** of snow were recorded at Mount Baker Ski Area that year.

Clue #1: I am a four-digit number.
Clue #2: The sum of my digits is 6.
Clue #3: The digit in my ones place is four less than the digit in my tens place.
Clue #4: The digit in my tens place is three more than the digit in my hundreds place.

Use the box below to show your work.

Name_____



Math Challenge
Snow Totals

In Kalamazoo, Michigan it snowed 4 inches every day in the month of January. If half an inch of the total snow melts by the end of each day, how much snow will be left by the end of the month? Write your answer in feet and inches.

Show your work in the box below.

© lvanmdacsupercoach.com

Name_____



Math Challenge
Hot Cocoa Combos

Georgina is spending her snow day making pillow forts and drinking hot chocolate. She has 5 different hot chocolate toppings: marshmallows, sprinkles, whipped cream, chocolate chips, and peppermint sticks. If she only chooses 3 different toppings for each mug of hot chocolate, how many different hot chocolate topping combinations can she make?

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

Name_____



Math Challenge
Highest Scoring Super Bowl

The San Francisco 49ers and the San Diego Chargers played in the highest scoring Super Bowl. Use the clues below to determine each team's score.

Clue #1: 75 total points were scored in the game.
Clue #2: San Francisco scored 23 points more than San Diego.

Show your work in the box below.

Name_____



Math Challenge
Super Bowl Blowout

The Denver Broncos and San Francisco 49ers faced off in the most lopsided Super Bowl in history. Use the clues below to determine each team's score.

Clue #1: The 2 digits in the 49ers score were the same.
Clue #2: The Broncos lost by 45 points.
Clue #3: The total points scored in the game was less than 80.

Show your work in the box below.

© lvanmdacsupercoach.com

Name_____

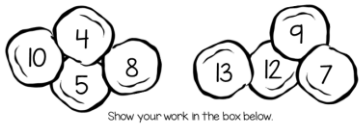


Math Challenge
Snowball Switch #1

Both piles of snowballs can have equal sums if one number from each pile is moved to the other.

What numbers should be moved? _____

What is the sum of each pile when the numbers are moved? _____



Show your work in the box below.

Name_____

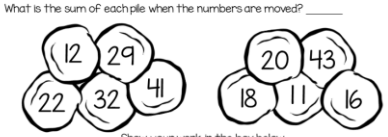


Math Challenge
Snowball Switch #2

Both piles of snowballs can have equal sums if one number from each pile is moved to the other.

What numbers should be moved? _____

What is the sum of each pile when the numbers are moved? _____



Show your work in the box below.

Name_____



Math Challenge
Sledding #1

Ezra spent all afternoon sledding with his friends. The sledding hill is 55 feet long. How many feet will Ezra climb if he sleds down the hill 12 times? (Remember: Ezra will have to climb up the hill every time he wants to sled down.)

Show your work in the box below.

Name_____



Math Challenge
Sledding #2

Ezra spent all afternoon sledding with his friends. He lives half a mile from the sledding hill. The hill is 132 feet long. How many feet will Ezra walk in all if he walks to the sledding hill, sleds down the hill 9 times, and then walks home? (Remember: Ezra will have to walk up the hill every time he wants to sled down.)

Show your work in the box below.

Name_____



Math Challenge
New Year's Party Plans

Kenny has a number of activities planned for his annual New Year's Eve party. Use the clues below to determine what time Kenny has scheduled for the BINGO tournament.

Clue #1: The New Year's Eve party begins at 6:15 p.m.
Clue #2: The cookie decorating contest will start 3 hours and 30 minutes after the party begins.
Clue #3: Dinner starts 2 hours 30 minutes before the cookie decorating contest.
Clue #4: The BINGO tournament will begin exactly 1 hour after dinner.

Show your work in the box below.

Name_____



Math Challenge
Marching on Washington

We commemorate Martin Luther King Jr.'s birthday on the third Monday in January every year. On August 28, 1978 Martin Luther King Jr. gave his famous "I Have a Dream" speech in front of the Lincoln memorial in Washington D.C. It is approximately 0.7 miles from The Washington Monument to The Lincoln Memorial. If 250,000 people marched from The Washington Monument to the Lincoln memorial, how many miles were marched in all?

Show your work in the box below.

© lvanmdacsupercoach.com

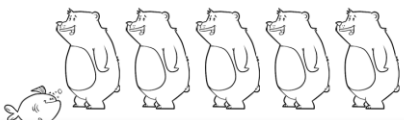
13 Brainteasers

Name_____

Polar Bear Picnic Brainteaser

Petey, Cubbie, Benjamin, SnowFlake, and Reginald are in line to catch fish to take to the Polar Bear Picnic. Use the clues below to determine which polar bear is which. Cut out the cards at the bottom of the page to help you if you would like.

1. Petey is not first in line.
2. There are two bears between Cubbie and Benjamin.
3. Reginald is standing behind Cubbie.
4. SnowFlake is between Petey and Benjamin.
5. Cubbie is not in front of Benjamin.



Name_____



FROZEN Brainteaser

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

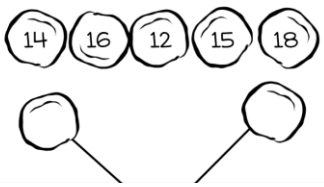
	F	O			N
E					
		E	N		

Name_____



Snowball Sums Brainteaser •1

Arrange the numbers in the snowballs so every line has the same sum. You may only use the numbers in the snowballs below to complete the puzzle.



Name_____

Yeti Yard Sale Brainteaser

Yohan, Ulysses, Eurich, and Hank attended the annual Yeti Yard Sale. Each yeti brought different items to sell (mittens, fang paste, frozen herring, and deshedding brushes) and made a different amount of money ($5.29, $14.61, $2.58, $7.42). Use the clues below to determine what each yeti sold and how much money he made.

1. The yeti who made the least money sold frozen herring.
2. Eurich made more money than Ulysses.
3. Altogether Hank and Yohan made exactly $10.00.
4. Ulysses did not sell fang paste.
5. The yeti who made the most money sold mittens.
6. Yohan made less money than Hank.



Yohan sold _____ and made $_____.

Ulysses sold _____ and made $_____.

Eurich sold _____ and made $_____.

Hank sold _____ and made $_____.

© Learn Create Explore Teach

Name_____



SNOW Brainteaser

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

O	S		
S			
		N	

Name_____

New Year's Equations Brainteaser 2020

Use the digits in 2019-2020 to create equations equal to the numbers in the table below. You can use any of the digits in 2019-2020 as many or as few times as you would like in each number sentence. Write your equations for each number in the boxes below.

1		16	
2		17	
3		18	
4		19	
5		20	
6		21	
7		22	
8		23	
9		24	
10		25	
11		26	
12		27	
13		28	

Name_____



Super Bowl Balancing •1

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

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

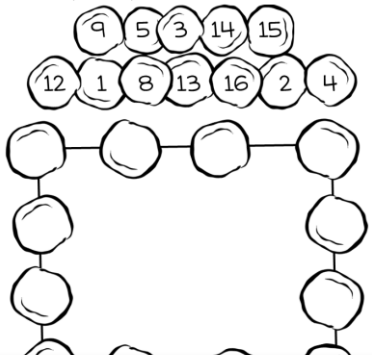
© Learn Create Explore Teach

Name_____



Snowball Sums Brainteaser •2

Arrange the numbers in the snowballs so every line has the same sum. You may only use the numbers in the snowballs below to complete the puzzle.



Name_____



January 1st Brainteaser

Arrange the letters and number in JAN 1 so there is only one of each letter or number in every row, column, and 2x2 box.

	J		
I		A	
			1

Name_____

Snow Days Brainteaser

Due to heavy snowfall, ice, and freezing temperatures, the students at Clearwater Elementary had a number of snow days during the month of January. Use the clues below to **create a complete January calendar** showing the **month, days of the week, labeling each day by number**, and **writing "Snow Day"** in the box for snow days students had off for the month.

1. The second snow day was Monday, January 9th.
2. The third Wednesday of the month was a snow day.
3. The first snow day was 5 days before the second.
4. The last Friday of the month was a snow day.
5. The third snow day was exactly 2 weeks before the last snow day.

Name_____

SNOWFLAKE Brainteaser

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

	F	A		E				O
				N			A	
		S						W
	K				O	W		
	A			K				
L	O		W				S	
			N	L	K			
F		L						N

Name_____

Super Bowl Balancing •2

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

1. ☐ + 15 = 29 + 41	2. 92 + 7 = 🏈 − 1	3. 65 − 9 = 49 + ☐
4. ☐ − 16 = 90 − 78	5. 34 + 8 = 🏈 − 8	6. 45 + 🏈 = 80 − 16
7. 16 + ☐ = 70 − 22	8. 🏈 + 12 = 19 + 5	9. 36 − 18 = ☐ + 8
10. ☐ + 18 = 53 + 27	11. ☐ − 14 = 14 + 28	12. 90 − 13 = 56 + ☐
13. ☐ + 22 = 99 − 4	14. 85 + ☐ = 19 + 81	15. 90 − 17 = 🏈 + 15
16.	17.	18.

Name_____



WINTER Brainteaser

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

				W	
		I	N		
	T	N			I
	R				
E				R	

© Learn Create Explore Teach

Name_____



Math Challenge
Record Snowfall

Get out the shovel! The all-time seasonal snowf re
Baker Ski Area in Washington State during the
clues below to determine **how many inches** of
Baker Ski Area that year.

Clue #1: I am a four-digit numb
Clue #2: The sum of my digits
Clue #3: The digit in my ones place i
Clue #4: The digit in my tens place is three more than th
place.

Use the b

© iwanttobeasuperteacher.com

Write at least 3 sentences explaining how you found your answer. What did you do first, second, last? How did you decide which digits to try first? How did you keep track of your work? What strategies did you use to solve the problem?



© iwanttobeasuperteacher.com

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

Answer Keys for Every Problem

Math Challenge
Penguin Feast
Answer Key

The penguins at Pinewood Glen are going Fishing For delicious krill. They caught 100 krill in all! Use the clues below to determine how many krill each penguin caught to Feast on.

Clue #1: Pepper caught half the krill that Phillip did.
Clue #2: Penny caught less than 55 krill.
Clue #3: Penny caught more than half of the krill.
Clue #4: Paisley caught Four times the amount of krill that Pepper did.
Clue #5: Phillip and Pepper caught 21 krill altogether.

Show your work in the box below.

Pepper: 7 krill
Phillip: 14 krill
Paisley: 28 krill
Penny: 51 krill

For Full credit students should show some work and organize their answer in a list or table.

Math Challenge
2015 NFL Stats
Answer Key

During the 2015 NFL regular season, these were the top 10 offensive scoring teams. Complete the missing points in the table using the clues below to help you.

- The Carolina Panthers were halfway to 1,000 points
- The Panthers and Redskins scored 888 points altogether.
- The Bengals scored 81 points less than the Panthers.
- The Saints scored exactly 20 points more than the Redskins.
- The Cardinals scored 11 points Fewer than the Panthers.
- The Patriots and the Cardinals scored 954 points in all.
- The total amount of points the Giants scored is a multiple of ten.
- The two teams ranked 4th scored the same amount of points.

Rank	Team	Total Points Scored by OFFense
1	Carolina Panthers	500
2	Arizona Cardinals	489
3	New England Patriots	465
4	Pittsburg Steelers	423
4	Seattle Seahawks	423

Math Challenge
Record Snowfall
Answer Key

Get out the shovel! The all-time seasonal snowfall record was set at Mount Baker Ski Area in Washington State during the 1998-1999 snow season. Use the clues below to determine **how many inches** of snow were recorded at Mount Baker Ski Area that year.

Clue #1: I am a Four-digit number.
Clue #2: The sum of my digit is 6.
Clue #3: The digit in my ones place is Four less than the digit in my tens place.
Clue #4: The digit in my tens place is three more than the digit in my hundreds place.

1,410 inches of snow Fell at Mount Baker Ski Area.

Students can keep track of their work in a chart similar to the one below. The digit in the ones place must be at least 5 or less to meet the requirements of Clue #3. The combinations of digits that would meet the requirements of Clues 3 and 4 are shown below. The only combination whose digits have a sum of 6 is 1,410.

Thousands	Hundreds	Tens	Ones	
1	1	4	0	Correct answer!
	2	5	1	Eliminate - sum would be greater than 6
				Eliminate - sum would be greater than 6

Math Challenge
Snow Totals
Answer Key

In Kalamazoo, Michigan it snowed 4 inches every day in the month of January. If half an inch of the total snow melts by the end of each day, how much snow will be left by the end of the month? Write your answer in Feet and inches.

Show your work in the box below.

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
4 inches 33" inch left	33+4=73 7" left	7+4=11 6.5" left	6.5+4=10.5 5" left	5+4=9 2.5" left	7.5+4=11.5 2" left	2+4=6 2.5" left
Day 8	Day 9	Day 10	Day 11	Day 12	Day 13	Day 14
2.5+4=6.5 2.5" left	2.5+4=6.5 3.5" left	3.5+4=8.5 3.5" left	3.5+4=7.5 4" left	3.5+4=12.5 4" left	4.5+4=8.5 4.5" left	4.5+4=9.5 4.5" left
Day 15	Day 16	Day 17	Day 18	Day 19	Day 20	Day 21
4.5+4=9.5 5.25" left	5.25+4=9.25 5.75" left	5.5+4=9.5 5.75" left	5.75+4=9.75 6.5" left	6.5+4=12.5 6.5" left	6.5+4=7.25 7.5" left	7.5+4=11.5 7.5" left
Day 22	Day 23	Day 24	Day 25	Day 26	Day 27	Day 28
7.5+4=11.75 7.75" left	7.75+4=11.875 8.125" left	8.125+4=12.125 8.5" left	8.5+4=12.5 8.75" left	8.75+4=12.75 9" left	9+4=13 9.5" left	9.5+4=13.75 10.5" left
Day 29	Day 30	Day 31				
10.5+4=12.5 12.5" left	12.5+4=12.75 12.5" left	12.5+4=16.5 12.5" left	The answer is 9 Feet 1 inches of show are left			

Math Challenge
Hot Cocoa Combos
Answer Key

Georgina is spending her snow day making pillow Forts and drinking hot chocolate. She has 5 different hot chocolate toppings marshmallows, sprinkles, whipped cream, chocolate chips, and peppermint sticks. If she only chooses 3 different toppings For each mug of hot chocolate, how many different hot chocolate topping combinations can she make?

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

There are 10 different combinations of hot chocolate toppings

1	M	S	WC
2	M	S	CC
3	M	S	PS
4	M	WC	CC
5	M	WC	PS
6	M	CC	PS
7	S	WC	CC
8	S	WC	PS
9	S	CC	PS
10	WC	CC	PS

Math Challenge
Highest Scoring Super Bowl
Answer Key

The San Francisco 49ers and the San Diego Chargers played in the highest scoring Super Bowl. Use the clues below to determine each team's score.

Clue #1: 75 total points were scored in the game.
Clue #2: San Francisco scored 23 points more than San Diego.

Show your work in the box below.

San Francisco 49ers scored 49 points
San Diego Chargers scored 26 points

In the written response:
Did the student use sequence words (First, then, Finally)? How did they start to solve the problem? What 2 numbers did they use as their First guess and how did this inForm their subsequent guesses? How did they keep track of the numbers they tried? Did they draw a picture or table? Were they able to explain their mathematical thinking in a

Math Challenge
Super Bowl Blowout
Answer Key

The Denver Broncos and San Francisco 49ers Faced off in the most lopsided Super Bowl in history. Use the clues below to determine each team's score.

Clue #1: The 2 digits in the 49ers score were the same.
Clue #2: The Broncos lost by 45 points.
Clue #3: The total points scored in the game was less than 80.

Show your work in the box below.

San Francisco 49ers scored 55 points
Denver Broncos scored 10 points

In the written response:

Math Challenge
Snowball Switch #1
Answer Key

Both piles of snowballs sums if one number From each pile is moved.

What numbers should be moved? 12 & 5

What is the sum of each pile when the numbers are moved?

In the written response:
Did the student use sequence words (First, then, Finally)? How did they start to solve the problem? What 2 numbers did they use as their First guess and how did this inForm their subsequent guesses? How did they keep track of the numbers they tried? Did they draw a picture or table? Were they able to explain their mathematical thinking in a

Math Challenge
Snowball Switch #2
Answer Key

Both piles of snowballs can have equal sums if one number From each pile is moved to the other.

What numbers should be moved? 18 & 32

What is the sum of each pile when the numbers are moved? 122

Show your work in the box below.

In the written response:
Did the student use sequence words (First, then, Finally)? How did they start to solve the problem? What 2 numbers did they use as their First guess and how did this inForm their subsequent guesses? How did they keep track of the numbers they tried? Did they draw a picture or table? Were they able to explain their mathematical thinking in a

Math Challenge
Sledding #1
Answer Key

Ezra spent all afternoon sledding with his Friends. The sledding hill is 55 Feet long. How many Feet will Ezra climb if he sleds down the hill 12 times? (Remember: Ezra will have to climb up the hill every time he wants to sled down.)

Show your work in the box below.

55 Feet x 12 climbs = 660 total Feet

In the written response:
Did the student use sequence words (First, then, Finally)? Did they add 55 twelve times or multiply 55x10 and then add 2 more 55s if they didn't yet understand how to multiply two 2-digit numbers? Did they draw a picture or table? Were they able to explain their mathematical thinking in a way that makes sense to the reader?

Math Challenge
Sledding #2
Answer Key

Ezra spent all afternoon sledding with his Friends. He lives half a mile From the sledding hill. The hill is 132 Feet long. How many Feet will Ezra walk in all if he walks to the sledding hill, sleds down the hill 9 times, and then walks home? (Remember: Ezra will have to walk up the hill every time he wants to sled down.)

Show your work in the box below.

Half a mile to the hill = 5,280÷2 = 2,640 Feet
Half a mile home = 5,280÷2 = 2,640 Feet
132 Feet x 9 climbs = 1,188 Feet

2,640 + 2,640 + 1,188 = 6,468 Feet in all

In the written response:
Did the student use sequence words (First, then, Finally)? Did they multiply 132x10 and then subtract 132 to get to 1,188 or add 132 9 times if they didn't yet know the traditional multiplication algorithm? Did they draw a picture or table? Did they know that two half miles = 1 whole mile or 5,280

Math Challenge
New Year's Party Plans
Answer Key

Kenny has a number of activities planned For his annual New Year's Eve party. Use the clues below to determine what time Kenny has scheduled For the BINGO tournament.

Clue #1: The New Year's Eve party begins at 6:15 pm.
Clue #2: The cookie decorating contest will start 3 hours and 30 minutes aFter the party begins.
Clue #3: Dinner starts 2 hours 30 minutes beFore the cookie decorating contest.
Clue #4: The BINGO tournament will begin exactly 1 hour aFter dinner.

Show your work in the box below.

The BINGO tourn[illegible] begins at [illegible]

Math Challenge
Marching [illegible]
Answer Key

We commemorate Martin [illegible] the third Monday in January every year. On A[illegible] ng Jr. gave his Famous "I Have a Dream" speech [illegible] in Washington D.C. It is approximately 0.7 miles [illegible] to The Lincoln Memorial. [illegible],000 people [illegible] From [illegible] Memorial [illegible] how many [illegible]

Show [illegible]

250,00[illegible] 1/5,000 mile[illegible]

[illegible] written res[illegible] e words (First, [illegible] Finally)? [illegible]tty to use re[illegible]d addition or multiples of 10, 100, [illegible] if they didn't know how to multiply with decimals? [illegible]ey able to explain their mathematical thinking in a [illegible]hat makes sense to the reader?

Polar Bear Picnic Brainteaser
Answer Key

Petey, Cubbie, Benjamin, SnowFlake, and Reginald are in line to catch Fish to take to the Polar Bear Picnic. Use the clues below to determine which polar bear is which.

1. Petey is not First in line.
2. There are two bears between Cubbie and Benjamin.
3. Reginald is standing behind Cubbie.
4. SnowFlake is between Petey and Benjamin.
5. Cubbie is not in Front of Benjamin.

Benjamin	SnowFlake	Petey	Cubbie	Reginald

Yeti Yard Sale Brainteaser
Answer Key

Yohan, Ulysses, Eurich, and Hank attended the annual Yeti Yard Sale. Each yeti brought different items to sell (mittens, Fang paste, Frozen herring, and deshedding brushes) and made a different amount of money ($6.274, $4.61, $2.58, $7.42). Use the clues below to determine what each yeti sold and how much money he made.

1. The yeti who made the least money sold Frozen herring.
2. Eurich made more money than Ulysses.
3. Altogether Hank and Yohan made exactly $10.00.
4. Ulysses did not sell Fang paste.
5. The yeti who made the most money sold mittens.
6. Yohan made less money than Hank.

Yohan sold Frozen herring and made $2.58.
Ulysses sold deshedding brushes and made $4.61.
Eurich sold Fang paste and made $6.29.
Hank sold mittens and made $7.42.

New Year's Equations Brainteaser 2020
Answer Key

Students can use any operation (including parenthesis) to create their equations. Examples for 1-20 are shown in the boxes below, but answers will vary. For students who need more of a challenge, require that they use at least every number in 2019-2020 once in their equation.

1	2 - 1 - 0 = 1	16	19 - 2 - 1 = 16
2	20 - 19 + 1 = 2	17	(2 x 9) - 1 - 0 = 17
3	1 + 1 + 1 = 3	18	10 + 9 - 1 = 18
4	12 - 9 + 1 = 4	19	20 - 1 = 19
5	9 - 2 - 1 - 1 = 5	20	10 + 9 + 1 = 20
6	9 - (2 + 1) = 6	21	
7	10 - 2 - 1 = 7	22	
8	10 - 2 = 8	23	
9	9 + 0 = 9	24	
10	90-20-20-20-20=10	25	
11	20 - 9 = 11	26	

Snowball Sums Brainteaser #1
Answer Key

Arrange the numbers in the snowballs so every line has the same sum. You may only use the numbers in the snowballs below to complete the puzzle.

Snowball Sums Brainteaser #2
Answer Key

Arrange the numbers in the snowballs so every line has the same sum. You may only use the numbers in the snowballs below to complete the puzzle.

Snow Days Brainteaser
Answer Key

Due to heavy snowfall, ice, and freezing temperatures, the students at Clearwater Elementary had a number of snow days during the month of January. Use the clues below to **create a complete January calendar** showing the **month, days of the week, labeling each day by number**, and **writing "Snow Day"** in the box For snow days students had off For the month.

1. The second snow day was Monday, January 6th.
2. The third Wednesday of the month was a snow day.
3. The First snow day was 5 days before the second.
4. The last Friday of the month was a snow day.
5. The third snow day was exactly 2 weeks before the last snow day.

January

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4 Snow Day!	5	6	7
8	9 Snow Day!	10	11	12	13 Snow Day!	14
15	16	17	18 Snow Day!	19	20	21

Super Bowl Balancing #1
Answer Key

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

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

Super Bowl Balancing #2
Answer Key

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

1. 55 + 15 = 29 + 41	2. 92 + 7 = 100 - 1	3. 65 - 9 = 49 + 7
4. 28 - 16 = 90 - 78	5. 34 + 8 = 50 - 8	6. 45 + 19 = 80 - 16
7. 16 + 32 = 70 - 22	8. 12 + 12 = 19 + 5	9. 36 - 18 = 10 + 8

SNOW Brainteaser
Answer Key

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

O	S	W	N
N	W	S	O

January 1st Brainteaser
Answer Key

Arrange the letters and number in JAN 1 so there is only one of each letter or number in every row, column, and 3x2 box.

N	I	J	A
A	J	N	I

WINTER Brainteaser
Answer Key

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

N	E	T	I	W	R
R	W	I	N	T	E
W	T	N	R	E	I

FROZEN Brainteaser
Answer Key

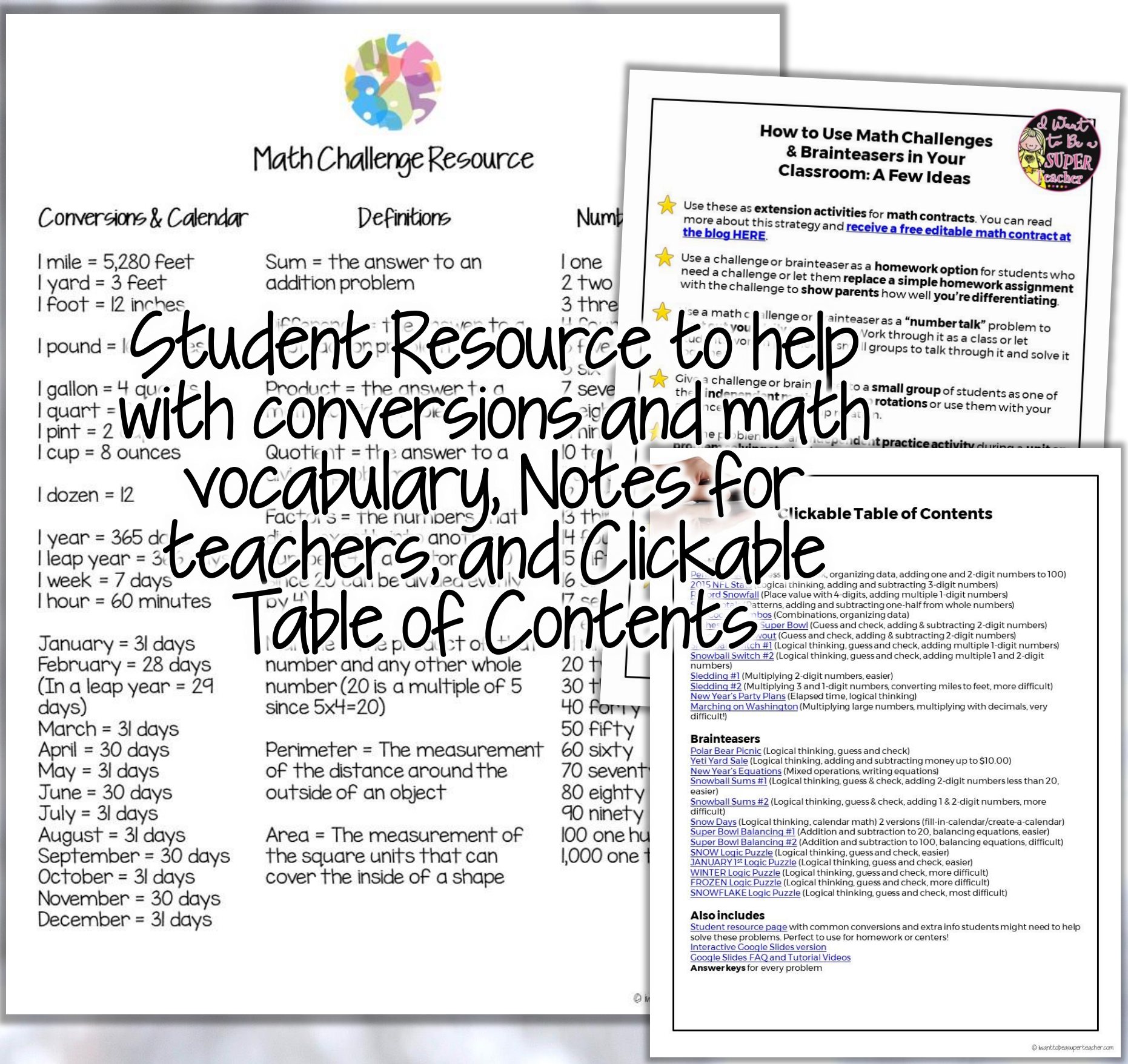
Arrange the letters in FROZEN so there is one of every letter in the word in every row, column, and 2x3 box.

Z	F	O	R	E	N
E	N	R	O	F	Z
O	Z	E	N	R	F

SNOWFLAKE Brainteaser
Answer Key

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

W	F	A	K	E	S	N	L	O
O	L	K	F	N	W	S	A	E
N	E	S	A	O	L	K	F	W
E	K	F	L	S	O	W	N	A
S	A	W	E	K	N	L	O	F
L	O	N	W	F	A	E	S	K
A	W	O	N	L	K	F	E	S
F	S	L	O	W	E	A	K	N
K	N	E	S	A	F	O	W	L



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

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



Need a Digital/Interactive Version

An interactive Google Slides ™ version of these activities is inc
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, p
see the next two pages which include Google Slides ™ FAQ and Tut
Videos.

? Check out these
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 Forces

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

©adoubledoseofdowda