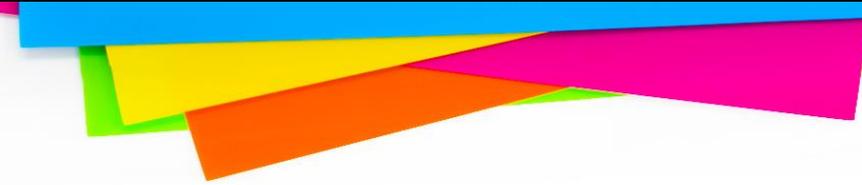


WHAT IS THIS?



Clue #1: Find It!

Solve each question. Circle the boxes that equal 128.

Clue #2: Sorting Donuts

Figure out the answer to each donut. Color the donuts the same color as the box they belong in. Then, find the correct key at the bottom to solve the clue!

Clue #3: Detective Report

Sam the Donut Man had run his own donut shop for $1545 \div 3 = 515$ years. He made more than $2268 \div 4 = 567$ different kinds of donuts, from glazed to strawberry filling. Everyone in town loved Sam's Donut Shop and went there at least $2114 \div 7 = 302$ times a week.

Clue #4: A Dozen Donuts

Write the answer in each box. Then, read what to do at the bottom.

Clue #5: Picture Decoder

Find each answer. Then, draw a line to each match. Last, use the decoder at the bottom to solve the clue.

167	142	95	1209	899	52	800	1118	123
R2	R1	R3	R2	R5	R1	R1	R1	R2

Answers: $52 \div 4 = 13$, $1209 \div 3 = 403$, $1118 \div 2 = 559$, $142 \div 7 = 20.2857$, $899 \div 2 = 449.5$, $95 \div 5 = 19$, $800 \div 8 = 100$, $123 \div 3 = 41$

Letters: **S P R I N K L E S**

The missing donut DOES have:

Use this decoder to help you figure out what letter is equal to each picture.

A =	G =	M =	S =	Y = ?
B =	H =	N =	T =	Z =
C =	I =	O =	U =	
D =	J =	P =	V =	
E =	K =	Q =	W =	
F =	L =	R =	X =	

solve the mystery



The Case of the Missing Donut

Which Donut Was Stolen?

Solve the clues to figure out which donut went missing from the donut shop.

Glaze Donut	Jam-Filled Donut	Donut Holes	Chocolate Drizzle
Apple Cruller	Sprinkle Donut	Chocolate Swirl	Cream Filled

Name: _____

Students complete a series of clues to figure out what donut was stolen!

HOW TO PLAY



What Happened?

Someone has stolen a donut from the donut shop! The owner wants your help to figure out what flavor was taken. Solve the clues to figure out what donut was taken and solve the mystery!

1. Take a donut list and then start solving each clue.
2. Each time you solve a clue, you will get closer to discovering which donut was taken.
3. Cross out wrong donuts each time you find out new information. Good luck!



Clue #1: Find It!

Solve each question. Circle the boxes that equal 128.
Read the words you circled from left to right like a book to solve the clue.

$512 \div 4$ the 128	$625 \div 5$ smallest 125 X	$903 \div 7$ sprinkles 129 X	$384 \div 3$ donut 128
$246 \div 2$ looks 123 X	$768 \div 6$ does 128	$516 \div 4$ hole 129 X	$256 \div 2$ not 128
$896 \div 7$ have 128	$378 \div 3$ chocolate X 126	$756 \div 6$ fruit 126 X	$640 \div 5$ filling 128

Write the phrase on the line. Cross the wrong donuts off your list.

The donut does not have filling

Which Donut Was Stolen?

Solve the clues to figure out which donut went missing from the donut shop.

 Glaze Donut	 Jam-Filled Donut	 Donut Holes	 Chocolate Drizzle
 Apple Cruller	(highlighted) Sprinkle Donut	 Chocolate Swirl	 Cream Filled

Name: _____

Each time students solve a clue, it will reveal what donut to cross out.

When all clues are completed, the mystery of the missing donut will be solved!

SKILL PRACTICE

Clue #1: Find It!

Solve each question. Circle the boxes that equal 128.
Read the words you circled from left to right like a book to solve the clue.

$512 \div 4$

128

smallest

$625 \div 5$

125

sprinkles

$903 \div 7$

129

$384 \div 3$

128

donut

looks

$246 \div 2$

123

have

$896 \div 7$

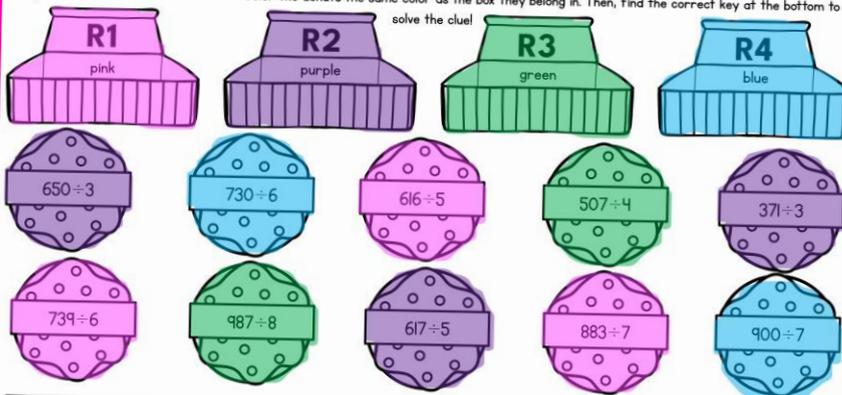
128

Write the phrase

The donut

Clue #2: Sorting Donuts

Figure out the answer to each donut. Color the donuts the same color as the box they belong in. Then, find the correct key at the bottom to solve the clue!



Cross out the Chocolate Swirl Donut if there are:

- 2 pink donuts
- 3 purple donuts
- 2 green donuts
- 3 blue donuts

Cross out the Apple Cruller if there are:

- 2 pink donuts
- 2 purple donuts
- 3 green donuts
- 3 blue donuts

Cross out the Donut Holes if there are:

- 3 pink donuts
- 3 purple donuts
- 2 green donuts
- 2 blue donuts

Cross out the Sprinkle Donut if there are:

- 3 pink donuts
- 2 purple donuts
- 3 green donuts
- 2 blue donuts

Clue #3: Detective Report

Sam run his own donut shop for $1545 \div 3$ years. He made more than $2268 \div 4$ different kinds of

chocolate donuts. He only make $1676 \div 2$ containers of cocoa powder.

They would bring him more chocolate icing. $5733 \div 9$ when he saw them. Because of the town's

H	139=O	577=M
Z	719=E	838=A
D	245=K	194=Q
S	567=T	889=L
	856=Y	316=I
	515=O	904=F
	459=Z	637=O
	918=G	837=N
	740=J	275=U

- 3 by 1 digit division
- 4 by 1 digit division
- Some clues with remainders
- Some clues without remainders
- Donut-Themed
- Error Analysis Practice

All clues focus on long division equations!

MULTIPLE VERSIONS



Print & Digital Forms

Clue #1: Find It!
Solve each question. Circle the boxes that equal 128.
Read the words you circled from left to right like a book to solve the clue.

Clue #2: Sorting Donuts
Figure out the answer to each donut. Color the donuts the same color as the box they belong in. Then, find the correct key at the bottom to solve the clue.

Clue #3: Detective Report
Sam the Donut Man had run his own donut shop for $1545 \div 3 = 515$ years. He made more than $2268 \div 4 = 567$ different kinds of donuts, from glazed to strawberry filling. Everyone in town loved Sam's Donut Shop and went there at least $2114 \div 7 = 302$ times a week. One day he told his customers he had a special late icing. The people went to his shop and he had a powder. They went back to his shop and he was able to help, he was able to solve the clue. $4445 \div 5 = 889$

3 Clue Version

The missing donut has no:

506 = C	856 = Y	316 = I
831 = N	515 = O	904 = F
442 = C	459 = Z	637 = O
613 = B	918 = G	837 = N
588 = V	740 = J	275 = U

Solve each question. Write the answer above each equation. Then, use the decoder to figure out the message.

Clue #1: Find It!
Solve each question. Circle the boxes that equal 128.
Read the words you circled from left to right like a book to solve the clue.

Clue #2: Sorting Donuts
Figure out the answer to each donut. Color the donuts the same color as the box they belong in. Then, find the correct key at the bottom to solve the clue.

Clue #3: Detective Report
Sam the Donut Man had run his own donut shop for $1545 \div 3 = 515$ years. He made more than $2268 \div 4 = 567$ different kinds of donuts, from glazed to strawberry filling. Everyone in town loved Sam's Donut Shop and went there at least $2114 \div 7 = 302$ times a week. One day he told his customers he had a special late icing. The people went to his shop and he had a powder. They went back to his shop and he was able to help, he was able to solve the clue. $4445 \div 5 = 889$

Clue #4: A Dozen Donuts
Figure out the answer to each donut. Color the donuts the same color as the box they belong in. Then, find the correct key at the bottom to solve the clue.

Clue #5: Picture Decoder
Find each answer. Then, draw a line to each match. Last, use the decoder at the bottom to solve the clue.

5 Clue Version

The missing donut DOES have:

A = 🍪	G = 🍪	M = 🍪	S = 🍪	Y = ?
B = 🍪	H = 🍪	N = 🍪	T = 🍪	Z = 🍪
C = 🍪	I = 🍪	O = 🍪	U = 🍪	
D = 🍪	J = 🍪	P = 🍪	V = 🍪	
E = 🍪	K = 🍪	Q = 🍪	W = 🍪	
F = 🍪	L = 🍪	R = 🍪	X = 🍪	

Use this decoder to help you figure out what letter is equal to each picture.

Clue #5: Picture Decoder
Find each answer. Then, draw a line to each match. Last, use the decoder at the bottom to solve the clue.

167	142	95	1209	899	52	800	1118	123
R2	R1		R3	R2	R5	R1		

Answers: $52 \div 5 = 10.4$, $1209 \div 3 = 403$, $167 \div 2 = 83.5$, $1118 \div 7 = 159.7$, $142 \div 1 = 142$, $899 \div 2 = 449.5$, $95 \div 1 = 95$, $800 \div 1 = 800$, $123 \div 3 = 41$

Letters: S P R I N K L E

The missing donut DOES have:

A = 🍪	G = 🍪	M = 🍪	S = 🍪	Y = ?
B = 🍪	H = 🍪	N = 🍪	T = 🍪	Z = 🍪
C = 🍪	I = 🍪	O = 🍪	U = 🍪	
D = 🍪	J = 🍪	P = 🍪	V = 🍪	
E = 🍪	K = 🍪	Q = 🍪	W = 🍪	
F = 🍪	L = 🍪	R = 🍪	X = 🍪	

Use this decoder to help you figure out what letter is equal to each picture.

Clue #5: Picture Decoder
Find each answer. Then, draw a line to each match. Last, use the decoder at the bottom to solve the clue.

167	142	95	1209	899	52	800	1118	123
R2	R1		R3	R2	R5	R1		

Answers: $52 \div 5 = 10.4$, $1209 \div 3 = 403$, $167 \div 2 = 83.5$, $1118 \div 7 = 159.7$, $142 \div 1 = 142$, $899 \div 2 = 449.5$, $95 \div 1 = 95$, $800 \div 1 = 800$, $123 \div 3 = 41$

Letters: S P R I N K L E

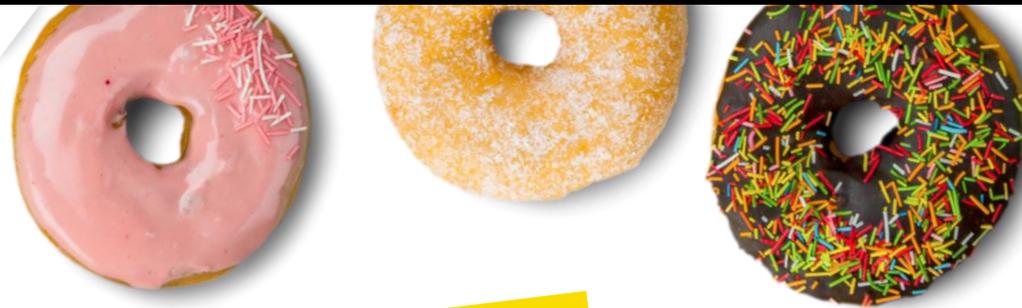
The missing donut DOES have:

A = 🍪	G = 🍪	M = 🍪	S = 🍪	Y = ?
B = 🍪	H = 🍪	N = 🍪	T = 🍪	Z = 🍪
C = 🍪	I = 🍪	O = 🍪	U = 🍪	
D = 🍪	J = 🍪	P = 🍪	V = 🍪	
E = 🍪	K = 🍪	Q = 🍪	W = 🍪	
F = 🍪	L = 🍪	R = 🍪	X = 🍪	

Use this decoder to help you figure out what letter is equal to each picture.

Short & Long Options

2 MATH FACT OPTIONS!



Which Donut Was Stolen?

Solve the clues to figure out which donut went missing from the donut shop.

Glaze Donut	Jam-Filled Donut	Donut Holes	Chocolate Drizzle
Apple Cruller	Sprinkle Donut	Chocolate Swirl	Cream Filled

Name: _____

Clue #1: Find It!

Solve each equation. Circle the boxes that equal 10. Read the words you circled from left to right like a book to solve the clue.

4+6	the	smallest	sprinkles	2+8
	4+7		6+3	
7-5	looks	7-3	does	2+7
			2+7	hole
1+9	have	chocolate	5+3	fruit
		6+5		

Clue #2: Sorting Donuts

Figure out the answer to each donut. Color the donuts the same color as the box they belong in. Then, find the correct key to the bottom to solve the dial.

3 pink	4 purple	5 green	6 blue
8-4	12-6	5-2	13-8
13-10	14-9	7-3	4-1
14-8			

Clue #3: Detective Report

Sam the Donut Man had run his own donut shop for $15+3$ years. He made more than $8+9$ different kinds of donuts, from glazed to strawberry filling. Everyone in town loved Sam's Donut Shop and went there at least $2+4$ times a week. One day, Sam ran out of all his famous chocolate icing and could only make $9+6$ chocolate donuts. He sold his customers he was sold out, but $3+5$ people stepped up and said they would bring him more chocolate icing. He went back to the local store and bought $1+6$ cups of sugar and $5+5$ containers of cocoa powder. He was able to make more chocolate icing and baked a batch of $4+8$ chocolate donuts for his customers. The missing donut has no: _____

A=15 E=8 L=5
O=18 O=10 V=14
C=12 T=17 R=11
S=6 S=4

Clue #4: A Dozen Donuts

Write the answer in each box. Then, read what to do at the bottom.

40 ÷ 5	12 ÷ 3	54 ÷ 9	36 ÷ 4
G	F	L	R
108 ÷ 9	14 ÷ 7	35 ÷ 7	60 ÷ 6
U	A	N	Z
50 ÷ 10	21 ÷ 7	18 ÷ 6	64 ÷ 8
E	I	T	E

Cross out the boxes with the following answers:
5, 6, 2, 8, 10

The donut has no: _____

Clue #5: Picture Decoder

Find each answer. Then, draw a line to each match. Last, use the decoder at the bottom to solve the clue.

40 7 25 16 48 90 27 6 28

Answers: 4×10 4×4 5×8 2×3 7×1 6×8 5×5 9×3 4×7

Letters: _____

The missing donut DOES have: _____

Use this decoder to help you figure out what letter is equal to each picture.

A=🍩 G=🍩 M=🍩 S=🍩 Y=🍩
B=🍩 H=🍩 N=🍩 T=🍩 Z=🍩
C=🍩 I=🍩 O=🍩 U=🍩
D=🍩 J=🍩 P=🍩 V=🍩
E=🍩 K=🍩 Q=🍩 W=🍩
F=🍩 L=🍩 R=🍩 X=🍩

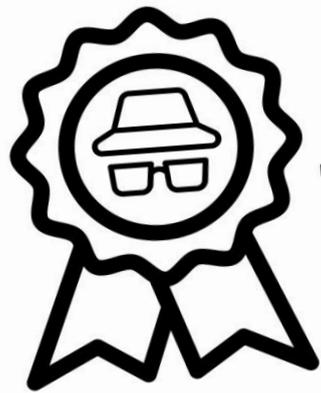
Same clues. Same mystery. Different math!

Use the add/subtract facts to 20 mystery or the multiplication/division facts 1-12 mystery!

FAST FINISHER ACTIVITY



The Detective Agency sends congratulations to:



Lindsay

You solved the mystery!

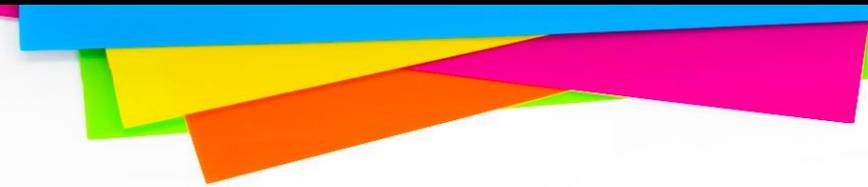
11/2
Date

AW
Presented by:



If students finish early, give them a certificate of completion and a directed drawing to complete while others continue working.

MATH MYSTERY BENEFITS



- No Prep
- Print and Digital Versions
- 3 & 5 Clue Options
- Extra Math Facts Mystery
- Fun and Engaging
- Easy to Differentiate
- Encourages Critical Thinking
- Aligns with Math Standards
- Perfect for Review Days

Clue #4: A Dozen Donuts 

Write the answer in each box. Then, read what to do at the bottom.

X $6520 \div 3$ G 2173 r1	$5822 \div 7$ F 831 r5	X $3712 \div 5$ L 742 r2	$3479 \div 4$ R 869 r3
$4883 \div 7$ U 697 r4	X $3578 \div 4$ A 894 r2	X $6723 \div 7$ N 960 r3	X $5671 \div 4$ Z 1417 r3
X $8023 \div 8$ E 1002 r7	$7821 \div 6$ I 1303 r3	$5039 \div 8$ T 629 r7	X $6492 \div 9$ E 721 r3

Cross out the boxes with the following answers:
• 2173 R1 • 960 R3 • 721 R3
• 742 R2 • 1417 R3
• 894 R2 • 1002 R7
The letters that are left will reveal a message.

The donut has no: **Fruit**

THE LIFETIME LEARNER

In 4th grade, this works well in small groups or in partners.

WHY TEACHERS LOVE THESE!

Ordinary math worksheets can be boring and unoriginal.

You want activities that are fun and engaging, but also rigorous and meaningful to student learning.

MATH MYSTERIES ARE EXACTLY WHAT YOU'VE BEEN LOOKING FOR!

Clue #1: Find It!
Circle the boxes that have five cents in them.
Read the words you circled from left to right like a book to solve the clue.

Clue #2: Sorting Donuts
Figure out the answer to each donut. Color the donuts the same color as the box they belong in. Then, find the correct key at the bottom to solve the clue.

R1 pink	R2 purple	R3 green	R4 blue
------------	--------------	-------------	------------

Clue #3: Right or Wrong?
Is the statement true or false? Color the thumb in to show if you agree.

This coin is worth 20 cents.	This coin is worth 5 cents.	This coin is worth 10 cents.
------------------------------	-----------------------------	------------------------------

Clue #4: A Dozen Donuts
Look at the box at the bottom. It will tell you what to do.

Clue #5: Picture Decoder
Find each answer. Then, draw a line to each match. Last, use the decoder at the bottom to solve the clue.

167	142	95	1209	899	52	800	1118	123
R2	R1	R3	R2	R5	R1			

Answers: 52, 1209, 1118, 142, 899, 95, 800, 123

Letters: S P R I N K L E S

The missing donut DOES have:

A = 🍌	G = 🍌	M = 🍌	S = 🍌	Y = ?
B = 🍌	H = 🍌	N = 🍌	T = 🍌	Z = 🍌
C = 🍌	I = 🍌	O = 🍌	U = 🍌	
D = 🍌	J = 🍌	P = 🍌	V = 🍌	
E = 🍌	K = 🍌	Q = 🍌	W = 🍌	
F = 🍌	L = 🍌	R = 🍌	X = 🍌	

The Detective Agency sends congratulations to:



Lindsay

You solved the mystery!

11/2 *AW*

Date Presented by:

LET'S DRAW... a coffee



LET'S DRAW... a donut



Which Donut Was Stolen?

Solve the clues to figure out which donut went missing from the donut shop.

Glaze Donut	Jam-Filled Donut	Donut Holes	Chocolate Drizzle
Apple Cruller	Sprinkle Donut	Chocolate Swirl	Cream Filled

Name:

solve the mystery



The Case of the Missing Donut

WHAT MAKES MATH MYSTERIES UNIQUE?

Math Mysteries aren't just a copy of Reading Mysteries!

They have brand-new clues, focus on math skills, and even feature a different conclusion to the mystery.

The only thing that stays the same is the list of suspects students start with!

So, if you have both, students can play during math and then again during reading for double the fun.

Reading

Clue #1: Fill in the Blank

delicious	today	pink	chocolate	bake	sprinkles
plate	hot	smell	eat	money	coffee
stolen	top	the	does	fat	jam
fast	sweet	donut	yum	eat	frosting
have	met	the	small	big	on
circle	knife	small	messily		

Read below. Find the matching picture above. Then write the word in each box.

An adjective describing the flavor of a donut.	the	An adverb describing how you eat a donut.	on
An adjective to describe a great tasting donut.	stolen	An adjective describing the color of a donut.	the
A verb describing what you do when a donut smells good.	donut	A noun describing a hot drink you enjoy with donuts.	frosting
		An adverb describing when you buy a donut.	top

When you are done, read the words in order from top to bottom in each row to figure out the clue.

Example of Clue 1

Math

Clue #1: Find It!

Solve each question. Circle the boxes that equal 128.

$512 \div 4$ 128	$625 \div 5$ 125 X	$903 \div 7$ 129 X	$384 \div 3$ 128
$46 \div 2$ 23 X	$768 \div 6$ 128	$516 \div 4$ 129 X	$256 \div 2$ 128
$676 \div 7$ 128	$378 \div 3$ 126 X	$756 \div 6$ 126 X	$640 \div 5$ 128

Write the phrase on the line. Cross the wrong donuts off your list.

The donut does not have filling

KEEP THE FUN GOING!

GRAB A **READING MYSTERY**:

Reading mysteries aren't just a copy of math. They come with fresh clues, unique reading challenges, and a new culprit, so students are solving an entirely different case!



MORE **MATH MYSTERIES**:

Explore other grade levels to differentiate and keep every student engaged.



BUY A BUNDLE
TO **SAVE BIG!**

