

WHAT IS THIS?



Clue #1: Find It!

Solve each question. Circle the boxes that equal 205 r4.

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 $2088 \div 36 = 58$ years. He made more than $1175 \div 25 = 47$ different kinds of donuts, from glazed to strawberry filling. Everyone in town loved Sam's Donut Shop and went there at least $2714 \div 46 = 59$ 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.

89	96 R78	68	56	91	84	75	97	29	
R32		R29			R38	RH	R9		

Answers: $84 \div 38 = 2.21$, 56 , $89 \div 32 = 2.78$, $97 \div 9 = 10.78$, $96 \div 78 = 1.23$, 91 , $68 \div 29 = 2.34$, $75 \div 14 = 5.36$, 29

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 =	

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

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.

Glazed 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 205 r4.
Read the words you circled from left to right like a book to solve the clue.

<p>the</p> $5129 \div 25$ 205 r 4	<p>smallest</p> $9640 \div 47$ 205 r 5 X	<p>sprinkles</p> $7585 \div 36$ 210 r 25 X	<p>donut</p> $3899 \div 19$ 205 r 4
<p>looks</p> $9020 \div 46$ 196 r 4 X	<p>does</p> $7999 \div 39$ 205 r 4	<p>hole</p> $2256 \div 11$ 205 r 1 X	<p>not</p> $8409 \div 41$ 205 r 4
<p>have</p> $2874 \div 14$ 205 r 4	<p>chocolate</p> $5739 \div 28$ 204 r 27 X	<p>fruit</p> $3756 \div 16$ 234 r 12 X	<p>filling</p> $6769 \div 33$ 205 r 4

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)	 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 $205 \text{ r}4$.
Read the words you circled from left to right like a book to solve the clue.

$5129 \div 25$ the
 $205 \text{ r}4$

9640 smallest
 205

$9020 \div 46$ looks
 $196 \text{ r}4$

$2874 \div 14$ have
 $205 \text{ r}4$

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!

R1 pink	R2 purple	R3 green	R4 blue	
$4706 \div 56$	$2188 \div 26$	$3129 \div 68$	$1466 \div 77$	$2554 \div 29$
$4892 \div 67$	$1228 \div 35$	$4178 \div 72$	$1117 \div 12$	$3905 \div 83$

- | | | | |
|--|---|--|---|
| 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 Culler 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

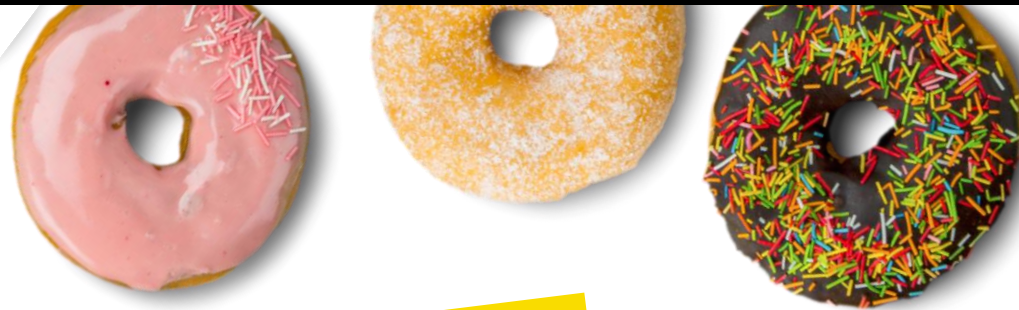
run his own donut shop for $2088 \div 36$ 58 years. He made more than $1175 \div 25$ 47 different kinds of donuts. He only made $4056 \div 52$ 78 chocolate donuts. He said they would bring him more chocolate icing. $5917 \div 97$ 61 containers of cocoa powder. when he saw them. Because of the town's

77=O	36=M
63=E	78=A
84=K	12=Q
47=T	89=L
26=Y	99=I
58=0	25=F
94=Z	52=C
23=G	80=N
51=J	40=U

- 4 by 2 digit division
- Some clues with remainders
- Some clues without remainders
- Donut-Themed
- Error Analysis Practice

All clues focus on long division equations!

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	5
			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. Because of the town's love for donuts, he was able to make more chocolate icing and baked a batch of 2 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.

$40 \div 5$	$12 \div 3$	$54 \div 9$	$36 \div 4$
G	F	L	R
$108 \div 9$	$14 \div 7$	$35 \div 7$	$60 \div 6$
U	A	N	Z
$50 \div 10$	$21 \div 7$	$18 \div 6$	$64 \div 8$
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.

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 =	

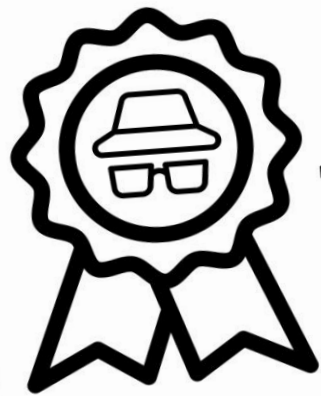
Same clues. Same mystery. Different math!

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:

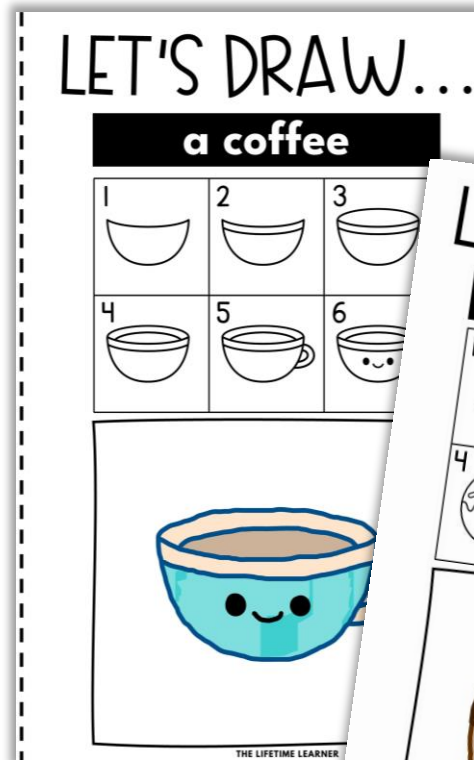


Lindsay

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.

$2313 \div 68$ G 34 r 1 X	$2674 \div 55$ F 48 r 34	$4871 \div 56$ L 86 r 55 X	$3449 \div 91$ R 37 r 82
$5629 \div 72$ U 78 r 13	$1673 \div 17$ A 98 r 7 X	$2560 \div 42$ N 60 r 40 X	$2052 \div 83$ Z 24 r 60 X
$1387 \div 29$ E 47 r 24 X	$2468 \div 37$ I 66 r 26	$3351 \div 94$ T 35 r 61	$3334 \div 79$ E 42 r 16 X

Cross out the boxes with the following answers:
• 24 R60 • 60 R40 • 34 R1
• 86 R55 • 98 R7
• 42 R16 • 47 R24
The letters that are left will reveal a message.

The donut has no:
Fruit

THE LIFETIME LEARNER

In 5th 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!

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

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.

Answers: 84 r38, 56, 89 r32, 99 r9, 96 r78, 91, 68 r29, 75 r14, 29
802 ÷ 96, 3808 ÷ 68, 5016 ÷ 56, 3598 ÷ 37, 8334 ÷ 86, 2043 ÷ 23, 2603 ÷ 38, 1094 ÷ 15, 1653 ÷ 57

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 = 🍩

The Detective Agency sends congratulations to:

Lindsay

You solved the mystery!

11/2 Date Presented by: **AW**

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.

cut a donut with	the	An adjective describing the flavor of a donut.	does	An adverb describing how you eat a donut.	on
An adjective to describe a great tasting donut.	stolen	A noun describing where you go to buy donuts.	have	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 205 r 4.

$5129 \div 25$ 205 r 4	$9640 \div 47$ 205 r 5	$7585 \div 36$ 210 r 25	$3899 \div 19$ 205 r 4
$20 \div 46$ r 4	$7999 \div 39$ 205 r 4	$2256 \div 11$ 205 r 1	$8409 \div 41$ 205 r 4
$2374 \div 14$ 205 r 4	$5739 \div 28$ 204 r 27	$3756 \div 16$ 234 r 12	$6769 \div 33$ 205 r 4

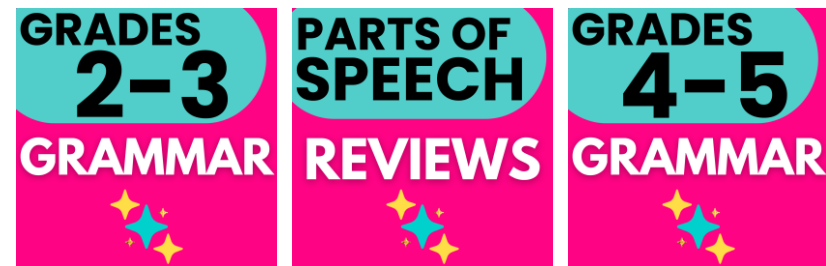
Write the phrase on the line. Cross the wrong donuts off your list.

The donut does not have filling

KEEP THE FUN GOING!

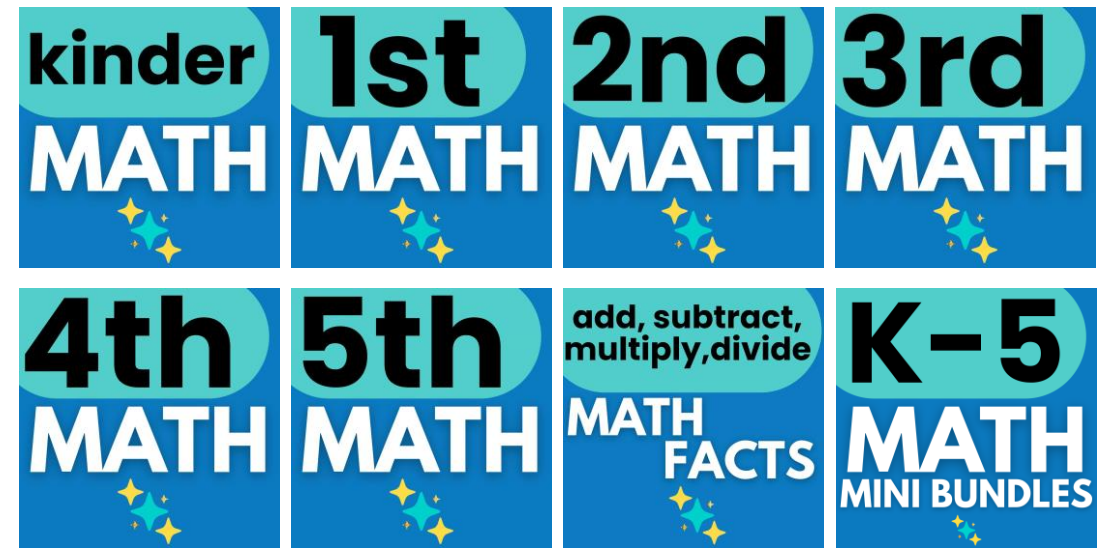
GRAB A **READING MYSTERY**:

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!**

