

WHAT IS THIS?



Clue #1: Picture Decoder
Write the answer on each line. Then, draw a line to each match.
Last, use the decoder at the bottom to solve the clue.

Clue #2: Error Analysis
Check each person's work. Put a check or an X next to each answer.

Clue #3: Detective Report
The Red Restaurant had been open for $60 \times 8 = 480$ years and was the most popular place to eat in town.
They had over $90 \times 5 = 450$ items on their menu, including $30 \times 3 = 90$ appetizers and

Clue #4: The Menu

MENU			DINNER		
$40 \times 7 = 280$	$90 \times 9 = 810$	$80 \times 7 = 560$	$20 \times 9 = 180$	$50 \times 5 = 250$	$70 \times 6 = 420$

Clue #5: Descrambler
Place the correct letter on top of each matching answer.

$80 \times 6 = 480$	$70 \times 8 = 560$	$40 \times 4 = 160$
$20 \times 9 = 180$	$50 \times 3 = 150$	$90 \times 7 = 630$

The person who is missing their food did not order any:
L E T T U C E
180 630 160 480 240 560 150

solve the mystery

The Case of the Missing Dinner

THE LIFETIME LEARNER

Whose Food Is Missing?

Solve the clues to figure out whose food has not come out from the kitchen yet.

 Aunt's Order	 Uncle's Order	 Mom's Order	 Dad's Order
 Brother's Order	 Sister's Order	 Grandma's Order	 Grandpa's Order

Name: _____

THE LIFETIME LEARNER

Students complete a series of clues to figure out whose dinner is missing!

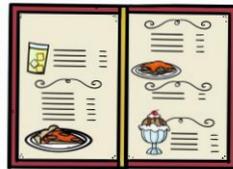
HOW TO PLAY



What Happened?

Uh oh! Everyone ordered something for dinner at the restaurant...but one person's food is missing! Help describe to the waiter what the person was missing so they know what food to bring out.

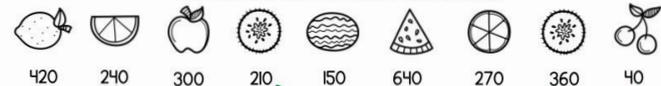
1. Take a food list and then start solving each clue.
2. Each time you solve a clue, you will get closer to discovering whose food is missing.
3. Cross out wrong foods each time you find out new information. Good luck!



THE LIFETIME LEARNER

Clue #1: Picture Decoder

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



420 240 300 210 150 640 270 360 40

Answers: $\frac{210}{40 \times 6}$ $\frac{150}{30 \times 5}$ $\frac{420}{60 \times 7}$ $\frac{360}{90 \times 4}$ $\frac{640}{80 \times 8}$ $\frac{40}{20 \times 2}$ $\frac{306}{50 \times 6}$ $\frac{210}{70 \times 3}$ $\frac{270}{30 \times 9}$

Letters: M I L K S H A K E

The person did not order a:

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.

THE LIFETIME LEARNER

Whose Food Is Missing?

Solve the clues to figure out whose food has not come out from the kitchen yet.

Aunt's Order	Uncle's Order	Mom's Order	Dad's Order
Brother's Order	Sister's Order	Grandma's Order	Grandpa's Order

Name: _____

THE LIFETIME LEARNER

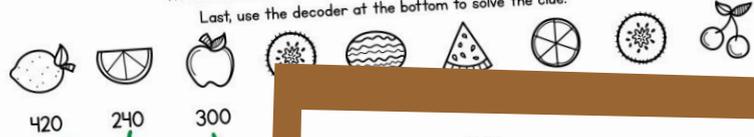
Each time students solve a clue, it will reveal what foods to cross out.

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

SKILL PRACTICE

Clue #1: Picture Decoder

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



420 240 300

Answers: $\frac{240}{40 \times 6}$ $\frac{150}{30 \times 5}$ $\frac{420}{70 \times 6}$

Letters: M I

The person did not order a:

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

Clue #3: Detective Report

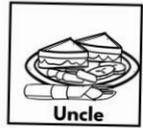
The restaurant had been open for $60 \times 8 = 480$ years and was the most popular place to eat in town.
It had 450 items on their menu, including $30 \times 3 = 90$ appetizers and

the restaurant to review its food and ordered
a salad, and a pizza with $70 \times 9 = 630$
about the food and left the Red

90=S	120=T
630=S	200=E
450=U	280=L
480=I	160=N

Clue #2: Error Analysis

Check each person's work. Put a check or an X next to each answer.



- | | | |
|---------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| <input checked="" type="checkbox"/> $20 \times 8 = 160$ | <input checked="" type="checkbox"/> $20 \times 4 = 90$ | <input checked="" type="checkbox"/> $50 \times 8 = 400$ |
| <input checked="" type="checkbox"/> $50 \times 3 = 140$ | <input checked="" type="checkbox"/> $90 \times 7 = 720$ | <input checked="" type="checkbox"/> $70 \times 4 = 280$ |
| <input checked="" type="checkbox"/> $90 \times 2 = 180$ | <input checked="" type="checkbox"/> $70 \times 5 = 350$ | <input checked="" type="checkbox"/> $40 \times 6 = 300$ |
| <input checked="" type="checkbox"/> $30 \times 7 = 210$ | <input checked="" type="checkbox"/> $30 \times 8 = 240$ | <input checked="" type="checkbox"/> $20 \times 5 = 100$ |
| <input checked="" type="checkbox"/> $40 \times 5 = 220$ | <input checked="" type="checkbox"/> $60 \times 3 = 190$ | <input checked="" type="checkbox"/> $80 \times 9 = 720$ |

The person with the most correct answers is NOT missing their dinner.

- Multiply by Tens
- Restaurant-Themed!
- Error Analysis Practice

All clues focus on multiplying by tens!

MULTIPLE VERSIONS



Print & Digital Forms

Clue #1: Picture Decoder
Write the answer on each line. Then, draw a line to each match.
Last, use the decoder at the bottom to solve the clue.

Clue #2: Error Analysis
Check each person's work. Put a check or an X next to each answer.

Clue #3: Detective Report
The Red Restaurant had been open for 60×8 years and was the most popular place to eat in town.

3 Clue Version

The order that is missing comes with:
U T E N S I L S

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

630 = S 200 = E
450 = U 280 = L
480 = I 160 = N

Clue #1: Picture Decoder
Write the answer on each line. Then, draw a line to each match.
Last, use the decoder at the bottom to solve the clue.

Clue #2: Error Analysis
Check each person's work. Put a check or an X next to each answer.

Clue #3: Detective Report
The Red Restaurant had been open for 60×8 years and was the most popular place to eat in town.

Clue #4: The Menu

Clue #5: Descrambler
The person who is missing their food did not order any:
L E T T U C E

Clue #1: Picture Decoder
Write the answer on each line. Then, draw a line to each match.
Last, use the decoder at the bottom to solve the clue.

Answers: 240 150 420 360 640 40 300 210 270

Letters: **M I L K S H A**

The person did not order a:

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

Clue #1: Picture Decoder
Write the answer on each line. Then, draw a line to each match.
Last, use the decoder at the bottom to solve the clue.

Answers: 240 300 600 900 800 200 500 700 300

Letters: **M** **I** **L** **K** **S** **H** **A**

The person did not order a:

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

Short & Long Options

2 MATH FACT OPTIONS!



Whose Food Is Missing?

Solve the clues to figure out whose food has not come out from the kitchen yet.

			
Aunt's Order	Uncle's Order	Mom's Order	Dad's Order
			
Brother's Order	Sister's Order	Grandma's Order	Grandpa's Order

Name: _____

Clue #1: Picture Decoder

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

Answers: $\frac{16}{14-2}$, $\frac{11}{3-8}$, $\frac{3}{2-1}$, $\frac{12}{5-7}$, $\frac{18}{10-8}$, $\frac{15}{3 \times 2}$, $\frac{13}{7 \times 6}$, $\frac{9}{4 \times 5}$

Letters: M I L K S H A K

The person did not order: _____

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

Clue #2: Error Analysis

Check each person's work. Put a check or an X next to each answer.

Uncle: $10-5=5$, $3-4=10$, $20-8=12$

Grandma: $18-9=8$, $5-2=2$, $4-6=8$

Grandpa: $19-7=12$, $7-3=5$, $12-4=8$

Clue #3: Detective Report

The Red Restaurant had been open for $5+4$ years and was the most popular place to eat in town. They had over $14+7$ items on their menu, including $3+16$ appetizers and $10+2$ desserts. A local restaurant critic went to the Red Restaurant to review its food and ordered $7+3$ items. The critic tried delicious garlic knots, a house salad, and a pizza with $11+8$ toppings. By the end of the meal, the restaurant critic was raving about the food and left the Red Restaurant a review with $2+3$ stars online. Everyone hopes the restaurant will be open for more than $8+6$ more years.

Order that is missing comes with: _____

A=1	J=10	S=19
B=2	K=11	T=20
C=3	L=12	U=21
D=4	M=13	V=22
E=5	N=14	W=23
	O=15	X=24
	P=16	Y=25
	Q=17	Z=26
	R=18	

Clue #4: The Menu

Put the correct answer in each box. Then, read the box at the bottom.

MENU			DINNER		
$\frac{60}{10} \div 6$	$\frac{32}{8} \div 4$	$\frac{21}{7} \div 3$	$\frac{34}{6} \div 9$	$\frac{30}{3} \div 10$	$\frac{44}{4} \div 4$
P	8	Z	A	C	B
LUNCH			DESSERT		
$\frac{20}{2} \div 10$	$\frac{49}{7} \div 7$	$\frac{36}{9} \div 9$	$\frac{63}{9} \div 7$	$\frac{25}{5} \div 5$	$\frac{12}{2} \div 6$
U	S	R	T	E	A

Cross out the boxes with the following answers:
 $\begin{matrix} 10 & 6 & 2 \\ 7 & 1 & 4 \\ 9 & & \end{matrix}$

The letters that are left will reveal a message.

The person did order: ice

Clue #5: Descrambler

Place the correct letter on top of each matching answer.

Answers: $\frac{27}{16} \div 9 = 3$, $8 \times 9 = 72$, $\frac{56}{7} \div 8 = 7$, $4 \times 4 = 16$, $70 \div 7 = 10$, $48 \div 8 = 6$, $5 \times 8 = 40$

The person who is missing their food did not order any: LET T U C E

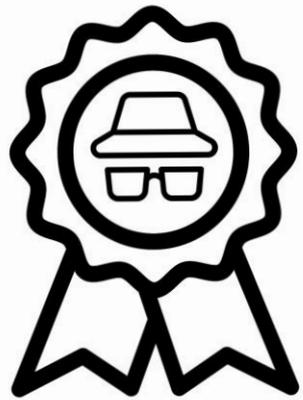
Same clues. Same mystery. Different math!

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

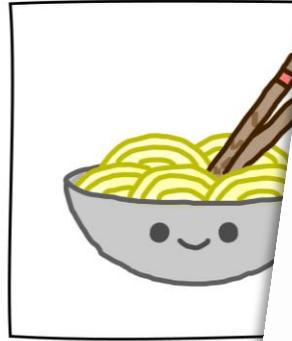
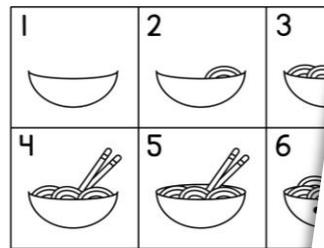
Date

AW

Presented by:

LET'S DRAW...

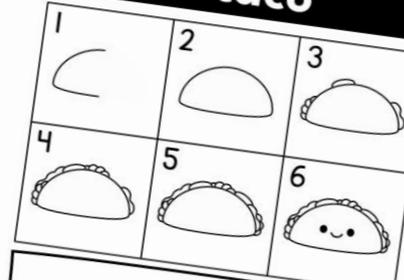
noodles



THE LIFETIME LEARNER

LET'S DRAW...

a taco



THE LIFETIME LEARNER

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: The Menu

MENU		
40x7 280 P	90x9 810 I	80x7 560 Z

LUNCH		
50x9 450 U	30x8 240 S	60x5 300 R

DINNER		
20x9 180 A	50x5 250 C	70x6 420 B

DESSERT		
80x4 320 T	40x9 360 E	90x8 720 A

Cross out the boxes with the following answers:

• 280	• 560	• 450
• 300	• 240	• 180
• 420	• 320	• 720

The letters that are left will reveal a message.

The person did order:
ice

THE LIFETIME LEARNER

In 3rd 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: Picture Decoder
Which number is bigger in each pair? Write it on the line. Then, draw a line to each match. Last, use the decoder at the bottom to solve the clue.

Clue #2: Error Analysis
Check each person's work. Put a check or an X next to each answer.

Clue #3: Detective Report
The Red Restaurant had been open for 60x8 years and was the most popular place to eat in town.

Clue #4: The Menu
Put the correct symbol in each box. Then, read the box at the bottom.

MENU	DINNER
80×6 <u>480</u> T	70×8 <u>560</u> G
20×9 <u>180</u> L	50×3 <u>150</u> E
60×4 <u>240</u> U	90×7 <u>630</u> E

Clue #5: Descrambler
Place the correct letter on top of each matching answer.

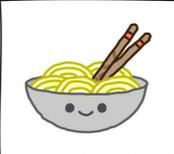
The person who is missing their food did not order any:
L E T T U C E
180 630 160 480 240 560 150

The Detective Agency sends congratulations to:

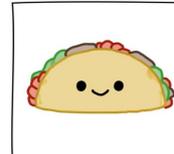
Lindsay
You solved the mystery!

11/2 AW
Date Presented by:

LET'S DRAW...
noodles



LET'S DRAW...
a taco

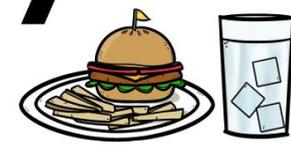


Whose Food Is Missing?
Solve the clues to figure out whose food has not come out from the kitchen yet.

Aunt's Order	Uncle's Order	Mom's Order	Dad's Order
Brother's Order	Sister's Order	Grandma's Order	Grandpa's Order

Name: _____

solve the mystery



The Case of the Missing Dinner

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

Math

Clue #1: Find the Noun

pasta	waiter	salad	customers	diner	burger
manager	host	menu	chicken	milkshake	glass
meat food delivery	pizzeria	chef	fast food	café	

Find the matching noun above. Then write the word in italics in each box.

Who brings you food	<i>the</i>	A place to sit and drink coffee	<i>did</i>	A bowl of fresh veggies	<i>with</i>
A person who cooks your meal	<i>missing</i>	A place to order burgers and fries	<i>not</i>	A sweet drink with ice cream	<i>a</i>
A person who washes dishes	<i>order</i>	A place where you eat pizza	<i>come</i>	A hot sandwich with meat and cheese	<i>burger</i>

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

Clue #1: Picture Decoder

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

420	240	300	210	150	640	270	360	40
<i>210</i>	<i>150</i>	<i>420</i>	<i>360</i>	<i>640</i>	<i>40</i>	<i>300</i>	<i>210</i>	<i>270</i>
40x6	30x5	60x7	90x4	80x8	20x2	50x6	70x3	30x9

M I L K S H A K E

The person did not order a:

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 =	

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!**

