WHAT IS THIS?

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
Circle the number that is smaller in each pair.

The Red Restaurant had been open for _____ years and was the most popular place to eat in town.
They had over _____ items on their menu, including _____ appetizers and
pepperonis. B

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

MENU   DINNER

Clue #5: Descrambler
Put the decimals in order from biggest to smallest on the lines below.

The person who is missing their food did not order any:

Write the decimals in order from biggest to smallest on the lines.
0.9   0.85   0.7   0.54   0.45   0.1   0.01

Write the letter that goes with each decimal in the boxes.
L E T T U C E

solve the mystery
The Case of the Missing Dinner

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:

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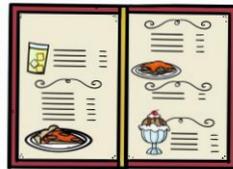
HOW TO PLAY

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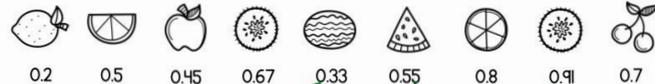
1. Take a food list and then start solving each clue.
2. Each time you solve a clue, you will get closer to discovering whose food is missing.
3. Cross out wrong foods each time you find out new information. Good luck!

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.
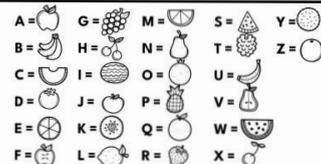
0.2   0.5   0.45   0.67   0.33   0.55   0.8   0.91   0.7

Answers: 0.5   0.33   0.2   0.91   0.55   0.7   0.45   0.67   0.8

Forty-five hundredths or five tenths | Thirty-three hundredths or two tenths | Two tenths or two hundredths | Ninety-one hundredths or nine tenths | Five tenths or fifty-five hundredths | Sixty-seven hundredths or seven tenths | Four tenths or forty-five hundredths | Six tenths or sixty-seven hundredths | Eight tenths or eight hundredths

Letters: M   I   L   K   S   H   A   K   E
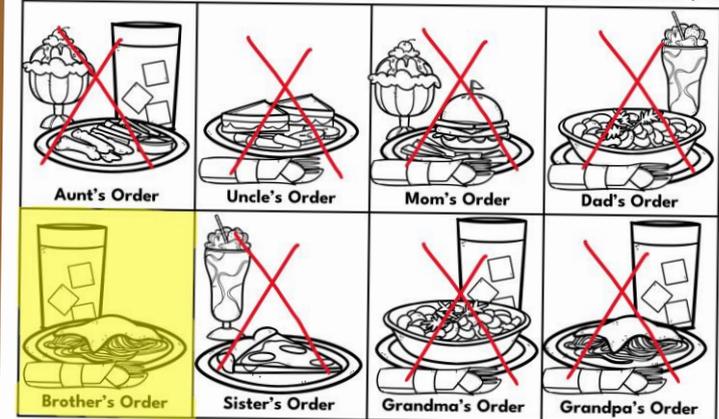
The person did not order a: ⬆

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 =

Whose Food Is Missing?

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

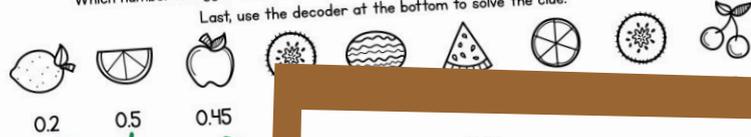| Aunt's Order | Uncle's Order | Mom's Order | Dad's Order |
| Brother's Order | Sister's Order | Grandma's Order | Grandpa's Order |

Name:

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
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.

0.2   0.5   0.45

Answers: **0.5**   **0.33**   **0.**

Forty-five hundredths or five tenths

Thirty-three hundredths or two tenths

Two

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
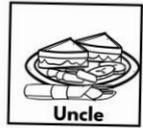Circle the number that is **smaller** in each pair:

0.5 or 0.05

had been open for _____ years and was the most popular place to eat in town.

0.30

items on their menu, including **0.44 or 0.04** _____ appetizers and

restaurant to review its food and ordered

and a pizza with **0.7 or 0.77** _____

about the food and left the Red

0.7=S	0.56=T
0.04=S	0.3=E
0.03=U	0.29=L
0.05=I	0.44=N

THE LIFETIME LEARNER

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

Uncle
✔ 0.89 < 0.98
✔ 0.10 > 0.01
✘ 0.4 = 0.04
✔ 0.66 > 0.6
✘ 0.50 > 0.55

Grandma
✔ 0.45 > 0.44
✘ 0.2 = 0.22
✘ 0.73 > 0.73
✔ 0.59 < 0.95
✘ 0.06 > 0.6

Grandpa
✘ 0.77 < 0.7
✔ 0.62 > 0.26
✔ 0.19 < 0.2
✔ 0.08 < 0.88
✔ 0.50 = 0.5

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

THE LIFETIME LEARNER

- Compare Decimals
- Numbers 0.0 to 1.0
- Restaurant-Themed!
- Error Analysis Practice

All clues focus on comparing decimals!

MULTIPLE VERSIONS

Print & Digital Forms

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.

0.2   0.5   0.45   0.67   0.33   0.55   0.8   0.91   0.7

Answers: 0.5 0.33 0.2 0.91 0.55 0.7 0.45 0.67 0.8

Forty-five hundredths or five tenths | Thirty-three hundredths or two tenths | Two tenths or two hundredths | Ninety-one hundredths or nine tenths | Five tenths or fifty-five hundredths | Sixty-seven hundredths or seven tenths | Four tenths or forty-five hundredths |

Letters: M I L K S H A

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.

Clue #1: Picture Decoder (digital)
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.

0.2   0.5   0.45   0.67   0.33   0.55   0.8   0.91   0.7

Answers: 0.5

Forty-five hundredths or five tenths | Thirty-three hundredths or two tenths | Two tenths or two hundredths | Ninety-one hundredths or nine tenths | Five tenths or fifty-five hundredths | Sixty-seven hundredths or seven tenths | Four tenths or forty-five hundredths | Six tenths or sixty-seven hundredths | Eight tenths or eight hundredths

Letters: M

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.

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
Circle the number that is **smaller** in each pair.
0.5 or 0.05

The Red Restaurant had been open for _____ 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

Clue #5: Descrambler

0.54   0.1
T   C

0.7

Write the decimals in order from biggest to smallest on the lines.
0.9 0.85 0.7 0.54 0.45 0.1 0.01

Write the letter that goes with each decimal in the boxes.
L E T T U C E

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
Circle the number that is **smaller** in each pair.
0.5 or 0.05

The Red Restaurant had been open for _____ years and was the most popular place to eat in town.

They had _____
0.03 or 0.30

0.29 or 0.3

0.65 or 0.56

pepperonis.

Restaurant

Red Restaurant will be open for more than _____ more years.
0.80 or 0.44

The order that is missing comes with:
0.03 0.56 0.3 0.44 0.7 0.05 0.29 0.04
U T F N S I L S

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

and ordered

_____ or 0.77

the Red

.56=T
0.04=S 0.3=E
0.03=U 0.29=L
0.05=I 0.44=N

3 Clue Version

5 Clue Version

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: 16, 11, 3, 12, 18, 15, 13, 9

Letters: M I L K S H A K

The person did not order a:

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 | Grandma | Grandpa

10-5=5 | 18-9=8 | 19-7=12
13-4=10 | 5-2=2 | 7-3=5
20-8=12 | 14-6=8 | 12-4=8

Clue #3: Detective Report
The Red Restaurant had been open for 5+4 **9** years and was the most popular place to eat in town.
They had over 14+7 **21** items on their menu, including 3+16 **19** appetizers and 10+2 **20** 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 **19** pepperonis. By the end of the meal, the restaurant critic was raving about the food and left the Red restaurant a review with 2+3 **5** stars online. Everyone hopes the restaurant will be open for more than 8+6 **14** 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
60÷6 **10** P | 32÷4 **8** I | 21÷3 **7** Z | 54÷9 **6** A | 30÷10 **3** C | 44÷4 **1** B

LUNCH | DESSERT
20÷10 **2** U | 49÷7 **7** S | 36÷9 **4** R | 63÷7 **9** T | 25÷5 **5** E | 12÷6 **2** A

Cross out the boxes with the following answers:
• 10 • 6
• 7 • 1
• 9 • 4

The letters that are left will reveal a message.

The person did order:
ice

Clue #5: Descrambler
27÷9 **3** T | 8x9 **72** C | 56÷8 **7** T
4x4 **16** L | 70÷7 **10** C
48÷8 **6** U | 5x8 **40** E

Place the correct letter on top of each matching answer.

The person who is missing their food did not order any:
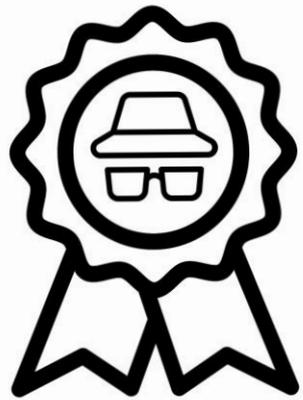L E T T U C E
16 40 3 7 6 72 10

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:
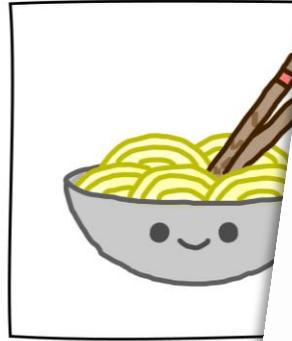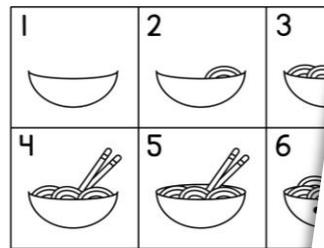
Lindsay

You solved the mystery!

11/2

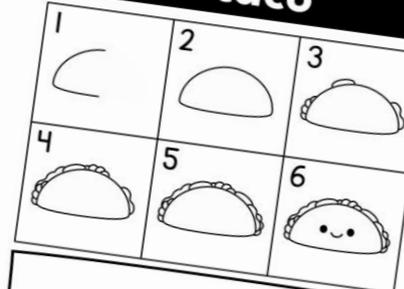Date   Presented by:

LET'S DRAW...
noodles

| 1 | 2 | 3 |
| 4 | 5 | 6 |

LET'S DRAW...
a taco

| 1 | 2 | 3 |
| 4 | 5 | 6 |

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

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: 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
Circle the number that is smaller in each pair.

The Red Restaurant had been open for 34 or 43 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

Clue #5: Descrambler

0.54 T
0.1 C
0.7
0.9 L
0.01 E
0.45 U
0.85 E

Put the decimals in order from biggest to smallest on the lines below.

The person who is missing their food did not order any:

Write the decimals in order from biggest to smallest on the lines.
0.9 0.85 0.7 0.54 0.45 0.1 0.01

Write the letter that goes with each decimal in the boxes.
L E T T U C E

The Detective Agency sends congratulations to:

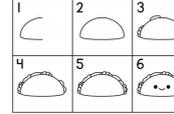**Lindsay**

You solved the mystery!

11/2   AW
Date   Presented by:

LET'S DRAW...
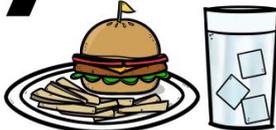**noodles**

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

Example of Clue 1

Math

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!

CVC WORDS

kinder PHONICS

1st PHONICS

2nd PHONICS

GRADES 2-3 GRAMMAR

PARTS OF SPEECH REVIEWS

GRADES 4-5 GRAMMAR

EXPLORE 30 UNIQUE MYSTERIES

MORE MATH MYSTERIES:

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

kinder MATH

1st MATH

2nd MATH

3rd MATH

4th MATH

5th MATH

add, subtract, multiply, divide MATH FACTS

K-5 MATH MINI BUNDLES

BUY A BUNDLE TO SAVE BIG!

MATH MYSTERIES 4TH GRADE

30 THEMES

The Suspect List

Dragon · Fairy · Gnome · Unicorn

Wizard · Monster · Witch · Troll

THE BUNDLE