WHAT IS THIS?

Clue #1: Fill in the Blank

| 5 | was | 3 | suitcase | 4 | was | 3 | I | 9 | tall | 4 | my |

Clue #2: Picture Decoder

Match up each expression with the correct repeated addition sentence. Then, draw a line to each match. Last, use the decoder at the bottom to solve the clue.

$\frac{2}{10}$ ×

$\frac{6}{8}$ ×

$\frac{5}{12}$ ×

Clue #3: The Airplane

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

Clue 4: Color the Planes

Solve each problem in the boxes. Color the airplanes based on your answers.

| You eat 3/4 of a can of beans each day. How many cans of beans will you eat in 9 days? | Your water bottle can hold 4/5 of water. If you fill up the water bottle 7 times, how much | Maria, Logan, and Naomi each drank 2/3 of a cup of milk. How much milk did they drink | Each kid gets a bag of food that weighs 6/8 of a pound. If there are 5 kids, how much does |

A. 5 3/4 colo...
B. 6 3/4 colo...
C. 6 1/4 colo...
D. 6 1/2 colo...

Clue #5: Travel the Globe

Solve the questions. Make sure to reduce your answers. Then, read what to do at the bottom.

$\frac{4}{11}$ $\frac{3}{6} \times \frac{8}{11}$

$\frac{2}{3} \times \frac{7}{8}$ $\frac{7}{12}$

$\frac{5}{12}$ $\frac{5}{8} \times \frac{2}{9}$

$\frac{5}{8} \times \frac{4}{9}$ $\frac{5}{12}$

$\frac{7}{4} \times \frac{7}{9}$

$\frac{5}{6} \times \frac{4}{6}$ $\frac{5}{11}$

$\frac{5}{12}$ $\frac{10}{12} \times \frac{1}{2}$ $\frac{6}{3} \times \frac{7}{4}$ $\frac{10}{11} \times \frac{2}{4}$ $\frac{5}{11}$

$\frac{4}{11}$

• 1 red pla...
• 0 yellow...
• 0 green...
• 3 blue pl...

The suitcase i...
trees.

The suitcase is in a place...

4/11: with 5 letters   5/12: with 7 letters
5/11: with 6 letters   7/12: with 8 letters

Which answer did you get most often?
Use that answer to figure out the final clue in the key!

solve the mystery

THE LIFETIME LEARNER

The Case of the Missing Luggage
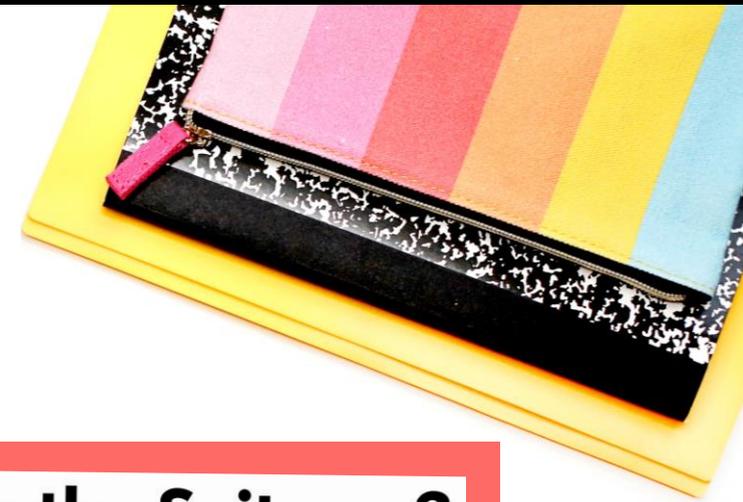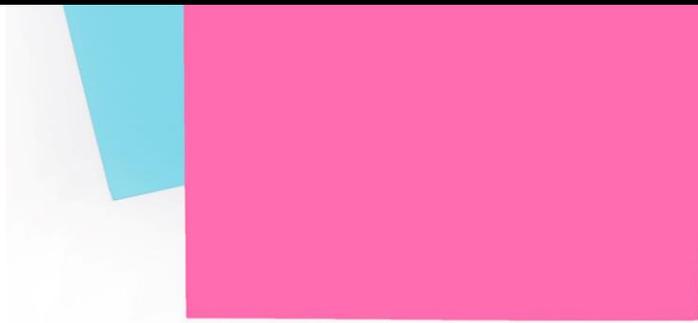
Where is the Suitcase?

Figure out where you left the missing suitcase by solving each clue.

| Italy | Japan | Canada | Germany |
| England | India | France | Ireland |

Name:

THE LIFETIME LEARNER

Students complete a series of clues to figure out where the missing suitcase is!

HOW TO PLAY

What Happened?

You were so excited to be on vacation that you accidentally left your suitcase somewhere! Now, you have no idea where it is. Solve the clues to figure out which country your suitcase is in.

1. Take a list of countries and then start solving each clue.
2. Each time you solve a clue, you will get closer to discovering where your suitcase is.
3. Cross out wrong countries each time you find out new information. Good luck!

Clue #1: Fill in the Blank

$\frac{5}{22}$ was	$\frac{3}{5}$ suitcase	$\frac{4}{8}$ was	$\frac{3}{25}$ I	$\frac{9}{45}$ tall	$\frac{4}{35}$ my
$\frac{3}{8}$ wasn't	$\frac{4}{34}$ pizza	$\frac{7}{15}$ when	$\frac{5}{20}$ am	$\frac{2}{5}$ animal	$\frac{10}{18}$ with
$\frac{8}{15}$ music	$\frac{7}{18}$ lost	$\frac{9}{44}$ food	$\frac{4}{21}$ deer	$\frac{5}{21}$ eating	$\frac{4}{25}$ building

Answer:	Word:		Answer:	Word:		Answer:	Word:
$\frac{2}{10} \times \frac{3}{5}$ $\frac{3}{25}$	I	$\frac{9}{11} \times \frac{2}{8}$ $\frac{9}{44}$	food	$\frac{8}{10} \times \frac{9}{12}$ $\frac{3}{5}$	suitcase
$\frac{6}{8} \times \frac{1}{2}$ $\frac{3}{8}$	wasn't	$\frac{7}{9} \times \frac{6}{10}$ $\frac{7}{15}$	when	$\frac{3}{6} \times \frac{5}{11}$ $\frac{5}{22}$	was
$\frac{5}{12} \times \frac{4}{7}$ $\frac{5}{24}$	eating	$\frac{4}{5} \times \frac{1}{7}$ $\frac{4}{35}$	my	$\frac{2}{3} \times \frac{7}{12}$ $\frac{7}{18}$	lost

Solve each problem. Write the answer. Then, write the word that goes with it. When you are done, read the words in order from top to bottom ↓ in each row to figure out the clue.

Where is the Suitcase?

Figure out where you left the missing suitcase by solving each clue.

~~Italy~~	~~Japan~~	~~Canada~~	~~Germany~~
England	~~India~~	~~France~~	~~Ireland~~

Name:

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

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

SKILL PRACTICE

- Multiply Fractions by Fractions
- Using Pictures
- Using Models
- Travel-Themed
- Error Analysis Practice

All clues focus on reviewing multiplying fractions!

MULTIPLE VERSIONS

Print & Digital Forms

Clue #1: Fill in the Blank

Clue #2: Picture Decoder
Match up each expression with the correct repeated addition sentence. Then, draw a line to each match. Last, use the decoder at the bottom to solve the clue.

Clue #3: The Airplane
Put the correct answer in each box. Then, read what to do at the bottom.

Clue 4: Color the Planes
Solve each problem in the boxes. Color the airplanes based on your answers.

Clue #5: Travel the Globe
Solve the questions. Make sure to reduce your answers. Then, read what to do in the key!

3 Clue Version

5 Clue Version

Short & Long Options

Clue #3: The Airplane
Put the correct answer in each box. Then, read what to do at the bottom.

The suitcase is not near any MUSIC

2 MATH FACT OPTIONS!

Where is the Suitcase?

Figure out where you left the missing suitcase by solving each clue.

~~Italy~~	~~Japan~~	~~Canada~~	~~Germany~~
England	~~India~~	~~France~~	~~Ireland~~

Name: _____

Clue #1: Fill in the Blank

Clue #2: 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:
11 / 15-4   3 / 8-5   8 / 17-9   2 / 6-4   5 / 12-7   14 / 20-6   7 / 10-3
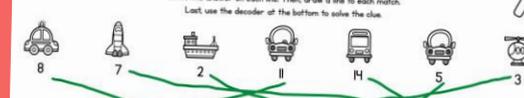
Letters: A N I M A L S

Clue #3: The Airplane

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

Clue 4: Color the Planes

Solve each problem in the boxes. Color the airplanes based on your answers.

Which answer choice is not a way to get a quotient of 4?	Which answer choice is a way to get a quotient of 9?	Which answer choice is not a way to get a quotient of 3?	Which answer choice is a way to get a quotient of 7?

Clue #5: Travel the Globe

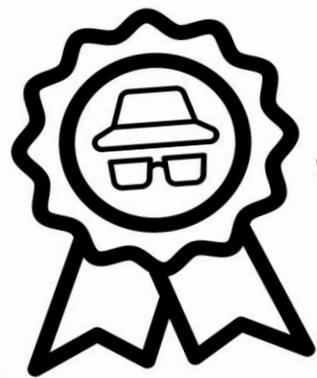Solve the equations. Then, read what to do at the bottom.

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:
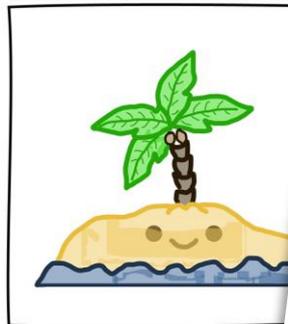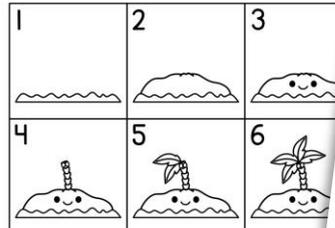
Lindsay

You solved the mystery!

11/2

Date

Presented by:

LET'S DRAW...
an island

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

LET'S DRAW...
a volcano

| 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.
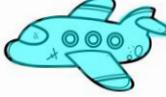
MATH MYSTERY BENEFITS

- 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

Clue 4: Color the Planes

Solve each problem in the boxes. Color the airplanes based on your answers.

You eat 3/4 of a can of beans each day. How many cans of beans will you eat in 9 days?	Your water bottle can hold 4/5 of water. If you fill up the water bottle 7 times, how much water have you used?	Maria, Logan, and Naomi each drank 2/3 of a cup of milk. How much milk did they drink in all?	Each kid gets a bag of food that weighs 6/8 of a pound. If there are 5 kids, how much does their food weigh altogether?

A. 5 3/4 color plane red	A. 5 3/4 color plane red	A. 3 2/4 color plane red	A. 3 3/4 color plane red
B. 6 3/4 color plane blue	B. 5 3/5 color plane blue	B. 3 color plane blue	B. 4 3/4 color plane blue
C. 6 1/4 color plane green	C. 6 2/3 color plane green	C. 2 1/3 color plane green	C. 3 1/4 color plane green
D. 6 1/2 color plane yellow	D. 6 1/2 color plane yellow	D. 2 color plane yellow	D. 4 1/2 color plane yellow

What color planes do you see? Find the key that matches for your next hint!

• 1 red plane • 0 yellow planes • 0 green planes • 3 blue planes	• 1 red plane • 1 yellow plane • 1 green plane • 1 blue plane	• 1 red plane • 1 yellow plane • 2 green planes • 0 blue planes	• 1 red plane • 1 yellow plane • 0 green planes • 2 blue planes
The suitcase is not near any trees.	The suitcase is not near any famous buildings.	The suitcase is somewhere near a tree.	The suitcase is near a famous building.

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!

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 5TH GRADE
30 THEMES
The Suspect List
Dragon | Fairy | Gnome | Unicorn
Wizard | Monster | Witch | Troll
THE BUNDLE