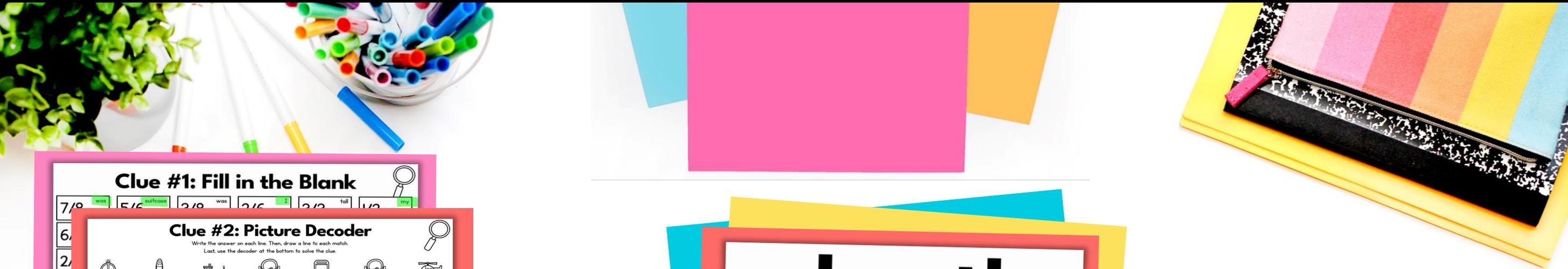


WHAT IS THIS?



Clue #1: Fill in the Blank
7/8 was suitcase 2/8 was 2/6 2/8 tall 1/2 my

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.

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

Clue #4: Color the Planes
Answer the multiple choice questions. Then, read the bottom.

Clue #5: Travel the Globe
Solve the equations. Then, read what to do at the bottom.

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

solve the mystery

The Case of the Missing Luggage

THE LIFETIME LEARNER

Where is the Suitcase?

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

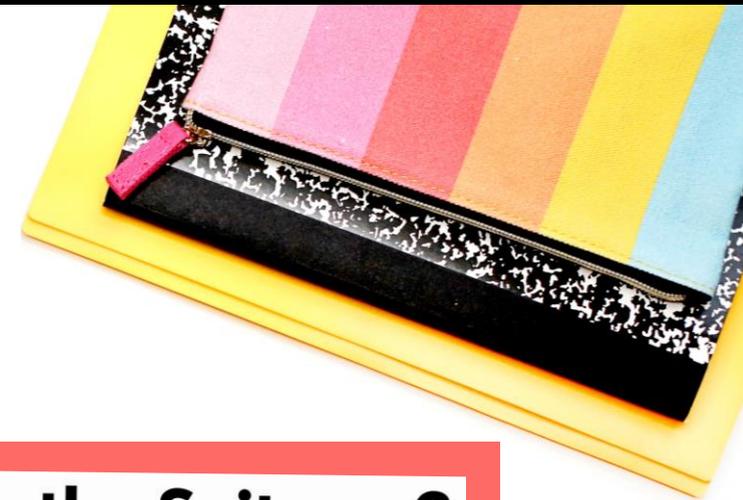
Italy	Japan	Canada	Germany
England	India	France	Ireland

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!



THE LIFETIME LEARNER

Clue #1: Fill in the Blank

$\frac{7}{8}$ was	$\frac{5}{6}$ suitcase	$\frac{3}{8}$ was	$\frac{2}{6}$ I	$\frac{3}{3}$ fall	$\frac{1}{2}$ my
$\frac{6}{8}$ wasn't	$\frac{2}{8}$ pizza	$\frac{4}{4}$ when	$\frac{3}{4}$ am	$\frac{1}{6}$ animal	$\frac{8}{8}$ with
$\frac{2}{2}$ music	$\frac{1}{8}$ lost	$\frac{1}{3}$ food	$\frac{4}{6}$ deer	$\frac{2}{4}$ eating	$\frac{5}{8}$ building

Answer: $\frac{2}{6}$	Word: I	Answer: $\frac{1}{3}$	Word: food	Answer: $\frac{5}{6}$	Word: suitcase
Answer: $\frac{6}{8}$	Word: wasn't	Answer: $\frac{4}{4}$	Word: when	Answer: $\frac{7}{8}$	Word: was
Answer: $\frac{2}{4}$	Word: eating	Answer: $\frac{1}{2}$	Word: my	Answer: $\frac{1}{8}$	Word: 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.

THE LIFETIME LEARNER

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

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

- Fraction Review
- Identify Fractions
- Fractions on Number Lines
- Equivalent Fractions
- Comparing Fractions
- Fractions as Whole Numbers
- Travel-Themed
- Error Analysis Practice

Clue #1: Fill in the Blank

$\frac{7}{8}$ was	$\frac{5}{6}$ suitcase	$\frac{3}{8}$ was	$\frac{2}{6}$ I	$\frac{3}{3}$ tall	$\frac{1}{2}$ my
$\frac{6}{8}$ wasn't	$\frac{2}{8}$ pizza			animal	with
$\frac{2}{2}$ music	$\frac{1}{8}$ lost				

Answer: $\frac{2}{6}$ Word: I

Answer: $\frac{6}{8}$ Word: wasn't

Answer: $\frac{2}{4}$ Word: eating

Solve each problem. Write the answer words in order from top to bottom.

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.

3 wholes	4 wholes	1 whole	8 wholes	7 wholes	2 wholes	6 wholes
----------	----------	---------	----------	----------	----------	----------

Answers: $\frac{8}{1}$ $\frac{6}{1}$ $\frac{3}{2}$ $\frac{1}{8}$ $\frac{2}{2}$ $\frac{7}{1}$ $\frac{4}{1}$

Letters: A N I M A L S

The suitcase isn't around any...

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 =	

Clue #3: The Airplane

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

$\frac{6}{12}$	$\frac{2}{6}$	$\frac{1}{8}$	$\frac{4}{8}$
U	A	N	S
$\frac{3}{3}$	$\frac{1}{4}$	$\frac{5}{10}$	$\frac{4}{4}$
X	A	C	E

not near any

All clues focus on reviewing fractions!

MULTIPLE VERSIONS



Print & Digital Forms

Clue #1: Fill in the Blank
 7/8 was 5/6 suitcase 3/8 was 2/6 I 3/3 tall 1/2 my

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.

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

3/6	2/3	5/8	3/4	6/12	2/6	1/8	4/8
M	F	L	R	U	A	N	S
2/4	7/8	4/6	1/3	3/3	1/4	5/10	4/4
I	G	S	L	T	A		

Cross out the letters that are NOT equal to 1/2. Which letters are left? Write them on the line. The suitcase is not near any MUSIC.

Clue #1: Fill in the Blank
 7/8 was 5/6 suitcase 3/8 was 2/6 I 3/3 tall 1/2 my

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.

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

Clue #4: Color the Planes
 Answer the multiple choice questions. Then, read the bottom.

Clue #5: Travel the Globe
 Solve the equations. Then, read what to do at the bottom.

1/2	2/2	3/6	4/4
7/8	2/8	2/6	1/3
1/2	2/2	3/6	4/4

The suitcase is in a place...
 > : with 5 letters < : with 7 letters
 = : with 6 letters

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

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

3/6	2/3	5/8	3/4	6/12	2/6	1/8	4/8
M	F	L	R	U	A	N	S
2/4	7/8	4/6	1/3	3/3	1/4	5/10	4/4
I	G	S	L	T	A		

Cross out the letters that are NOT equal to 1/2. Which letters are left? Write them on the line. The suitcase is not near any MUSIC.

Clue #3: The Airplane
 Read what to do at the bottom.

3/6	2/3	5/8	3/4	6/12	2/6	1/8	4/8
M	F	L	R	U	A	N	S
2/4	7/8	4/6	1/3	3/3	1/4	5/10	4/4
I	G	S	L	T	A	C	E

Cross out the letters that are NOT equal to 1/2. Which letters are left? Write them on the line. The suitcase is not near any .

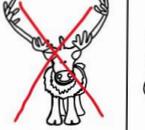
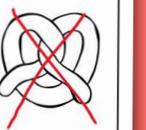
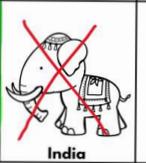
Short & Long Options

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

9	5	10	12	16	15
was	suitcase	was	1	full	
19	14	6	17	2	8
music	best	when	am	animal	
3	20	11	4	13	1
	best	food	deer	eating	

Answer: Word: 14+1 = 5

Answer: Word: 2+9 = 11 food

Answer: Word: 5+1 = 6 when

Answer: Word: 6+3 = 9

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, 3, 8, 2, 5, 14, 7

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.

4+9	10+9	5+6	2+7
M 13	X 19	U 11	S 9
3+3	8+2	1+4	9+9
L 6	X 10	X 5	C 18

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 4?	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?
A. 24 ÷ 6 color plane red B. 48 ÷ 10 color plane blue C. 28 ÷ 7 color plane green D. 36 ÷ 9 color plane yellow	A. 72 ÷ 9 color plane red B. 54 ÷ 6 color plane blue C. 63 ÷ 8 color plane green D. 80 ÷ 10 color plane yellow	A. 15 ÷ 5 color plane red B. 30 ÷ 10 color plane blue C. 21 ÷ 7 color plane green D. 18 ÷ 9 color plane yellow	A. 42 ÷ 6 color plane red B. 40 ÷ 5 color plane blue C. 56 ÷ 7 color plane green D. 35 ÷ 8 color plane yellow

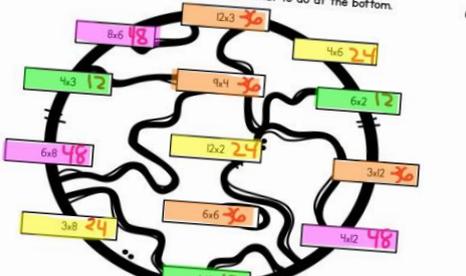
What color planes do you see? Find the key that matches for your next hint!

• 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.

Clue #5: Travel the Globe

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



Which answer did you get most often?

The suitcase is in a place...

12: with 5 letters 36: with 7 letters
24: with 6 letters 48: with 8 letters

Use that answer to figure out the final clue in the key!

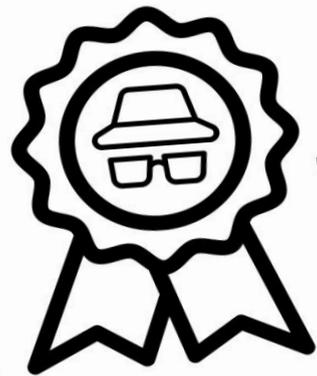
Same clues. Same mystery. Different math!

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

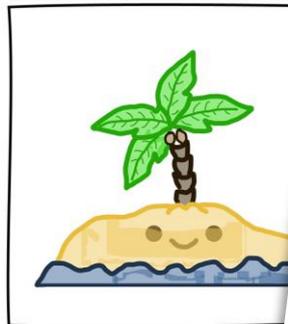
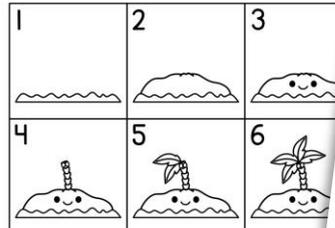
Date

AW

Presented by:

LET'S DRAW...

an island



THE LIFETIME LEARNER

LET'S DRAW...

a volcano



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

Answer the multiple choice questions. Then, read the bottom.

How far is it from Point D to Point F?

A. $\frac{2}{3}$ - color plane red
B. $\frac{2}{4}$ - color plane blue
C. $\frac{1}{3}$ - color plane green
D. $\frac{1}{4}$ - color plane yellow

How far is it from Point M to Point R?

A. $\frac{4}{6}$ - color plane red
B. $\frac{5}{8}$ - color plane blue
C. $\frac{2}{8}$ - color plane green
D. $\frac{5}{6}$ - color plane yellow

How far is it from Point B to I?

A. $\frac{2}{2}$ - color plane red
B. $\frac{1}{2}$ - color plane blue
C. $\frac{1}{3}$ - color plane green
D. $\frac{2}{3}$ - color plane yellow

How far is it from Point J to Point K?

A. $\frac{1}{6}$ - color plane red
B. $\frac{1}{2}$ - color plane blue
C. $\frac{2}{4}$ - color plane green
D. $\frac{2}{3}$ - color plane yellow

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

<ul style="list-style-type: none">• 1 red plane• 0 yellow planes• 0 green planes• 3 blue planes <p>The suitcase is not near any trees.</p>	<ul style="list-style-type: none">• 1 red plane• 1 yellow plane• 1 green plane• 1 blue plane <p>The suitcase is not near any famous buildings.</p>	<ul style="list-style-type: none">• 1 red plane• 1 yellow plane• 2 green planes• 0 blue planes <p>The suitcase is somewhere near a tree.</p>	<ul style="list-style-type: none">• 1 red plane• 1 yellow plane• 0 green planes• 2 blue planes <p>The suitcase is near a famous building.</p>
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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: Fill in the Blank

7/8 work 5/6 suitcase 3/8 was 2/6 I 3/3 tall 1/2 my

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.

9 train 2 car 11 7 20

Clue #3: The Airplane

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

Clue #4: Color the Planes

Answer the multiple choice questions. Then, read the bottom.

How far is it from Point D to Point F? A 2/3 - color plane red A 4/6 - color plane red

Clue #5: Travel the Globe

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

The suitcase is in a place...

> with 5 letters < with 7 letters
= with 6 letters

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

The Detective Agency sends congratulations to:

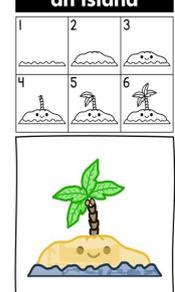
Lindsay

You solved the mystery!

11/2 Date *AW* Presented by:

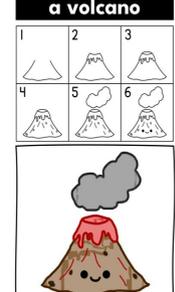
LET'S DRAW...
an island

1 2 3
4 5 6



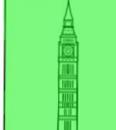
LET'S DRAW...
a volcano

1 2 3
4 5 6



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: _____

solve the mystery



The Case of the Missing Luggage

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: Find It!

Each box has 1, 2, or 3 words that need to be capitalized. Circle the boxes that have TWO words that need to be capitalized. Read the words you circled from left to right like a book to solve the clue.

1 can	2 not	3 eat	3 food
We took a plane to new york to see the city lights.	My uncle took photos of the golden gate bridge.	the space needle is a tall tower where visitors can look out and see the city.	
3 sing	2 you	2 eat	
vacation on friday.	My family drove to the grand canyon to watch the sunrise.	Do you know where i can get a pepsi in the airport?	
1 play	2 pretzels	3 antlers	3 tusks
Do you think we'll get to see famous people in hollywood?	we always travel in june when school is out.	our tour guide's name was mr. rogers.	We stayed at disney world in march.

Write the phrase on the line. Cross the wrong places off your list.
not where you eat pretzels

Example of Clue 1

Math

Clue #1: Fill in the Blank

$\frac{7}{8}$ was	$\frac{5}{6}$ suitcase	$\frac{3}{8}$ was	$\frac{2}{6}$ I	$\frac{3}{3}$ tall	$\frac{1}{2}$ my
$\frac{6}{8}$ wasn't	$\frac{2}{8}$ pizza	$\frac{4}{4}$ when	$\frac{3}{4}$ am	$\frac{1}{6}$ animal	$\frac{8}{8}$ with
$\frac{2}{2}$ music	$\frac{1}{8}$ lost	$\frac{1}{3}$ food	$\frac{4}{6}$ deer	$\frac{2}{4}$ eating	$\frac{5}{8}$ building

Answer: Word: $\frac{2}{6}$ I $\frac{1}{3}$ food $\frac{5}{8}$ suitcase

Answer: Word: $\frac{6}{8}$ wasn't $\frac{4}{4}$ when $\frac{7}{8}$ was

Answer: Word: $\frac{2}{4}$ eating $\frac{1}{2}$ my $\frac{1}{8}$ 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.

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!**

