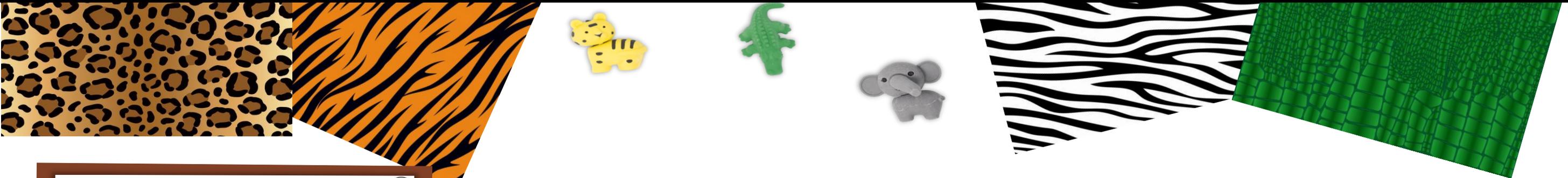


WHAT IS THIS?



Clue #1: Picture Decoder
Put the fractions in order from least to greatest. Draw a line from each match to the line it belongs on. Then, use the decoder at the bottom to figure out what letter each animal stands for.

Clue #2: Error Analysis
Each animal is trying to find equivalent fractions. Check each animal's work. Put a check or an X next to each answer.

Clue #3: Find It!
Use the number lines to compare each set of fractions. Circle the boxes that have a > symbol. Read the words you circled from left to right like a book to solve the clue.

Clue #4: The Safari Jeep
First, draw a picture of each fraction. Then, read what to do at the bottom.

Clue #5: Fill in the Blank
Compare each set of fractions. Use the fraction strips above each question to help you.

Answer: Word: **The with an is group**

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.

solve the mystery

The Case of the Safari Adventure

Where is the Safari Group?

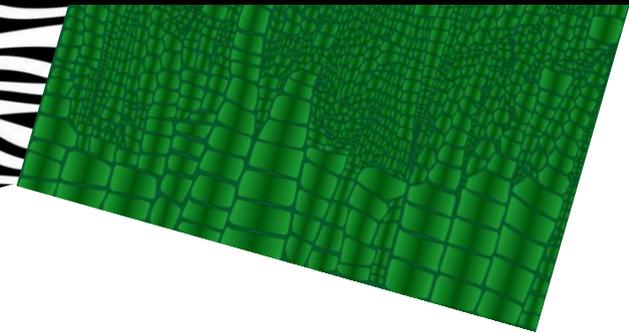
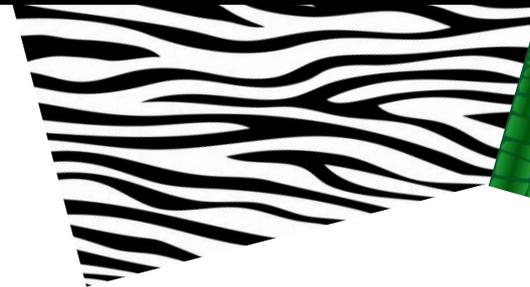
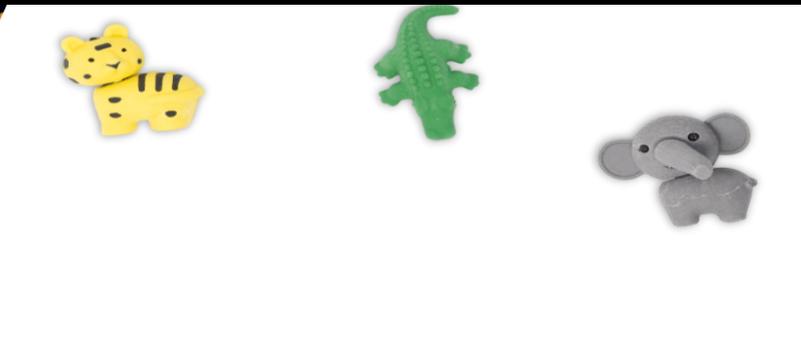
Solve the clues to figure out where the safari group is currently located.

I have gray whiskers. Meerkat	I have black stripes. Tiger	I have green scales. Crocodile	I have gray skin. Elephant
I have brown spots. Giraffe	I have yellow fur. Lion	I have brown fur. Chimp	I have black stripes. Zebra

Name: _____

Students complete a series of clues to figure out where the safari group is!

HOW TO PLAY



What Happened?

On the day of your safari, you woke up to find your safari group missing! You need to figure out which animal they are with. Help figure out where your safari group is by solving clues and finding the right animal.

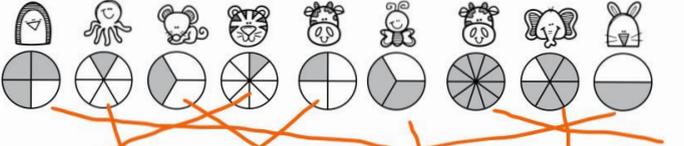
1. Take a list of safari animals and then start solving each clue.
2. Each time you solve a clue, you will get closer to discovering which animal your safari group is with.
3. Cross out wrong animals each time you find out new information. Good luck!



THE LIFETIME LEARNER

Clue #1: Picture Decoder

Put the fractions in order from least to greatest. Draw a line from each match to the line it belongs on. Then, use the decoder at the bottom to figure out what letter each animal stands for.



Answers: $\frac{1}{8}$ $\frac{1}{6}$ $\frac{1}{4}$ $\frac{1}{3}$ $\frac{1}{2}$ $\frac{2}{3}$ $\frac{3}{4}$ $\frac{5}{6}$ $\frac{6}{10}$

smallest biggest

Letters: N O S T R I P E S

The animal your group is with has:



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

THE LIFETIME LEARNER

Where is the Safari Group?

Solve the clues to figure out where the safari group is currently located.

I have gray whiskers. Meerkat	I have black stripes. Tiger	I have green scales. Crocodile	I have gray skin. Elephant
I have brown spots. Giraffe	I have yellow fur. Lion	I have brown fur. Chimp	I have black stripes. Zebra

Name: _____

THE LIFETIME LEARNER

Each time students solve a clue, it will reveal what animals to cross out. When all clues are completed, the mystery of the safari group will be solved!

SKILL PRACTICE

Clue #1: Picture Decoder
Put the fractions in order from least to greatest. Draw a line from each match to the line it belongs on.
Then, use the decoder at the bottom to figure out what letter each animal stands for.

Answers: $\frac{1}{8}$ $\frac{1}{6}$
smallest
Letters: N O

The animal your group is with has:

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

Clue #2: Error Analysis
Each animal is trying to find equivalent fractions. Check each animal's work.
Put a check or an X next to each answer.

<input checked="" type="checkbox"/> $1/2$ is equal to $3/4$.	<input checked="" type="checkbox"/> $2/10$ is equal to $1/5$.	<input checked="" type="checkbox"/> $8/10$ is equal to $5/5$.
<input checked="" type="checkbox"/> $3/5$ is equal to $4/5$.	<input checked="" type="checkbox"/> $5/5$ is equal to $12/12$.	<input checked="" type="checkbox"/> $1/6$ is equal to $2/12$.
<input checked="" type="checkbox"/> $4/8$ is equal to $6/12$.	<input checked="" type="checkbox"/> $6/8$ is equal to $3/4$.	<input checked="" type="checkbox"/> $3/8$ is equal to $6/8$.
<input checked="" type="checkbox"/> $3/3$ is equal to $10/10$.	<input checked="" type="checkbox"/> $2/4$ is equal to $6/10$.	<input checked="" type="checkbox"/> $6/6$ is equal to $1/3$.

The animal with the most correct answers is NOT the animal your safari group is with.

Clue #3: Find It!
Number lines to compare each set of fractions. Circle the boxes that have a > symbol.
Read the words you circled from left to right like a book to solve the clue.

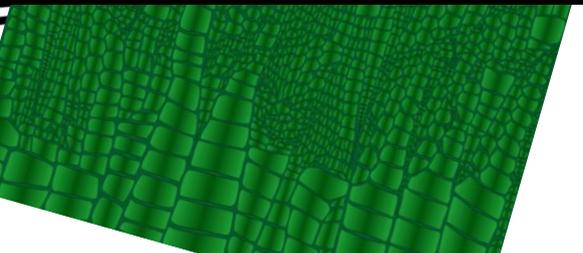
$\frac{6}{6}$ < $\frac{6}{6}$	$\frac{5}{12}$ < $\frac{5}{8}$	$\frac{7}{8}$ > $\frac{2}{10}$
$\frac{9}{12}$ > $\frac{4}{5}$	$\frac{4}{5}$ < $\frac{10}{10}$	$\frac{4}{6}$ = $\frac{2}{3}$
$\frac{7}{8}$ > $\frac{5}{8}$	$\frac{2}{5}$ = $\frac{4}{10}$	

the crocodile elephant animal
s tail fur
brown chimp

- Comparing Fractions
- Using Number Lines
- Using Picture Form
- Using Fraction Strips
- Using Common Numerator and Denominator
- Safari-Themed
- Error Analysis Practice

All clues focus on reviewing 4th grade skills!

MULTIPLE VERSIONS



Print & Digital Forms

Clue #1: Picture Decoder
Put the fractions in order from least to greatest. Draw a line from each match to the line it belongs on. Then, use the decoder at the bottom to figure out what letter each animal stands for.

Clue #2: Error Analysis
Each animal is trying to find equivalent fractions. Check each animal's work. Put a check or an X next to each answer.

Clue #3: Find It!
Use the number lines to compare each set of fractions. Circle the boxes that have a > symbol. Read the words you circled from left to right like a book to solve the clue.

3 Clue Version

Write the phrase on the line. Cross the wrong animals off your list.
The animal is not brown.

Clue #1: Picture Decoder
Put the fractions in order from least to greatest. Draw a line from each match to the line it belongs on. Then, use the decoder at the bottom to figure out what letter each animal stands for.

Clue #2: Error Analysis
Each animal is trying to find equivalent fractions. Check each animal's work. Put a check or an X next to each answer.

Clue #3: Find It!
Use the number lines to compare each set of fractions. Circle the boxes that have a > symbol. Read the words you circled from left to right like a book to solve the clue.

Clue #4: The Safari Jeep
First, draw a picture of each fraction. Then, read what to do at the bottom.

Clue #5: Fill in the Blank
Compare each set of fractions. Use the fraction strips above each question to help you.

5 Clue Version

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.

Clue #2: Error Analysis
Each animal is trying to find equivalent fractions. Check each animal's work. Put a check or an X next to each answer.

1/2 is equal to 3/4. 2/10 is equal to 1/5. 8/10 is equal to 5/5.
 3/5 is equal to 4/5. 5/5 is equal to 12/12.
 4/8 is equal to 6/12. 6/8 is equal to 3/4.
 3/3 is equal to 10/10. 2/4 is equal to 6/10.

The animal with the most correct answers is NOT the animal you

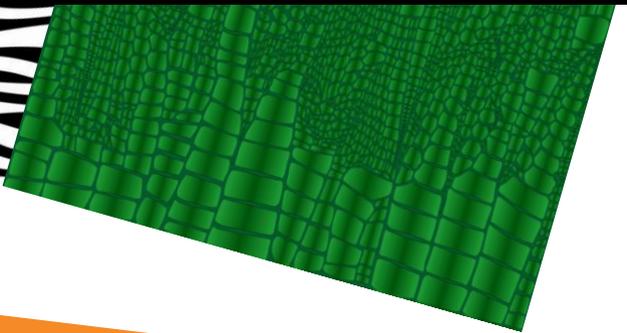
Clue #2: Error Analysis
Each animal is trying to find equivalent fractions. Check each animal's work. Put a check or an X next to each answer.

1/2 is equal to 3/4. 2/10 is equal to 1/5. 8/10 is equal to 5/5.
 3/5 is equal to 4/5. 5/5 is equal to 12/12. 1/6 is equal to 2/12.
 4/8 is equal to 6/12. 6/8 is equal to 3/4. 3/8 is equal to 6/8.
 3/3 is equal to 10/10. 2/4 is equal to 6/10. 6/6 is equal to 1/3.

The animal with the most correct answers is NOT the animal your safari group is with.

Short & Long Options

2 MATH FACT OPTIONS!



Where is the Safari Group?

Solve the clues to figure out where the safari group is currently located.

I have gray whiskers. Meerkat	I have black stripes. Tiger	I have green scales. Crocodile	I have gray skin. Elephant
I have brown spots. Giraffe	I have yellow fur. Lion	I have brown fur. Chimp	I have black stripes. Zebra

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: $7/4+3$, $16/5+11$, $19/18+1$, $11/9-2$, $12/7-5$, $9/3-6$, $5/4-1$, $18/8-1$

Letters: N O S T R I P E

The animal your group is with has: _____

Clue #2: Error Analysis

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

$1+4=5$ <input checked="" type="checkbox"/>	$2+5=7$ <input checked="" type="checkbox"/>	$6+8=15$ <input checked="" type="checkbox"/>
$5+8=13$ <input checked="" type="checkbox"/>	$3+2=5$ <input checked="" type="checkbox"/>	$3+3=9$ <input checked="" type="checkbox"/>
$7+6=14$ <input checked="" type="checkbox"/>	$7+9=16$ <input checked="" type="checkbox"/>	$1+7=8$ <input checked="" type="checkbox"/>
$2+9=11$ <input checked="" type="checkbox"/>	$6+1=5$ <input checked="" type="checkbox"/>	$9-4=13$ <input checked="" type="checkbox"/>

Clue #3: Detective Report

The Livingstone family was going on their very first safari and they were so excited to see $6+7=13$ different animals. They went to Kenya and arrived at their safari jeep, which could hold $4+14=18$ people. The safari began the Livingstones immediately spotted $5+9=14$ elephants in the distance. The safari guide saw $2+2=4$ elephants with them. Later, everyone saw a pride made of $3+7=10$ lions. The lions chased a group of $1+9=10$ zebras, who barely escaped into the plains. At the watering hole, the safari group saw $12+8=20$ tigers. Thinking the Livingstones had such an amazing safari, they couldn't wait to go on more safaris in the future.

The animal is: _____

N=18 B=13
T=10 W=20
R=9
O=4

Clue #4: The Safari Jeep

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

$96 \div 8$ X 12	$54 \div 9$ N 6	$60 \div 12$ X 5	$88 \div 8$ O 11	$18 \div 9$ X 2
$5 \div 5$ X 1	$99 \div 11$ X 9	$21 \div 7$ F 3	$40 \div 5$ X 8	$49 \div 7$ U 7
$110 \div 11$ R 10	$36 \div 9$ X 4			

Cross out the boxes with the following answers: 1, 2, 4, 5, 8, 9, 12

The letters that are left will reveal a message.

The animal has: **NO FUR**

Clue #5: Fill in the Blank

54 animal	21 group	24 green	6 not	10 full	44
5 mammal	11	7 an	12 the	56 yellow	9 whiskers
96 with	48 scales	8 that	108 isn't	2 spray	16 spots

Answer: Word

$12 \div 4$ **The**

$21 \div 3$ **group**

$11 \div 11$ **is**

Answer: Word

$96 \div 8$ **with**

$7 \div 7$ **an**

$54 \div 6$ **animal**

Answer: Word

$8 \div 8$ **that**

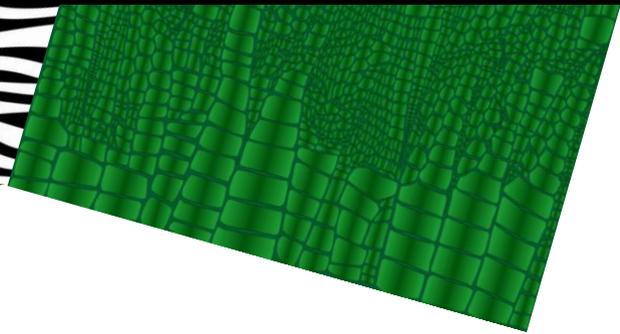
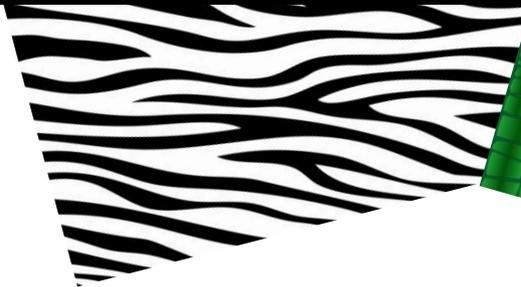
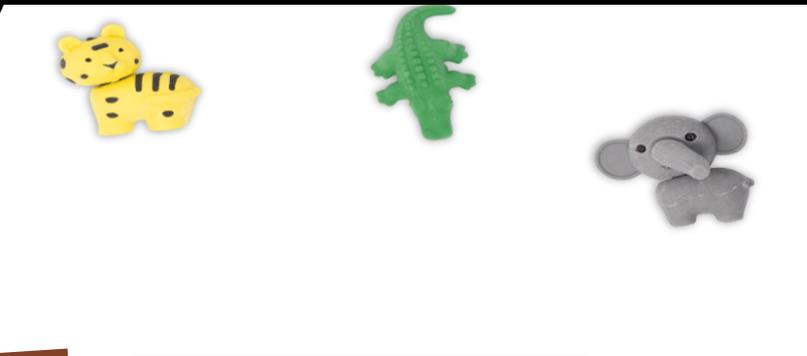
$44 \div 4$ **is**

$2 \div 2$ **gray**

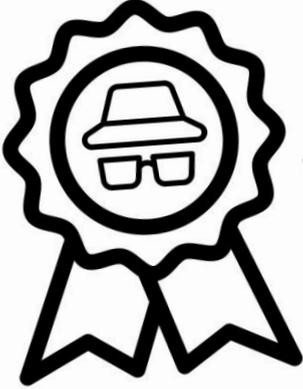
Same clues. Same mystery. Different math!

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

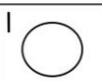
You solved the mystery!

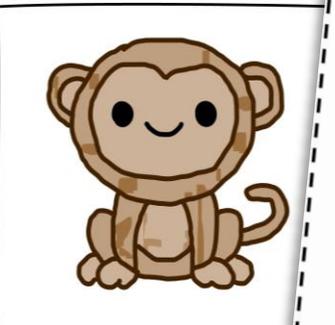
11/2 Date *AW* Presented by:

THE LIFETIME LEARNER

LET'S DRAW...

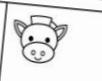
a monkey

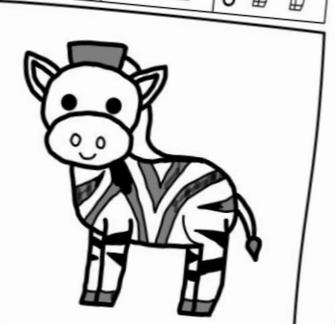
1 	2 	3 
4 	5 	6 



LET'S DRAW...

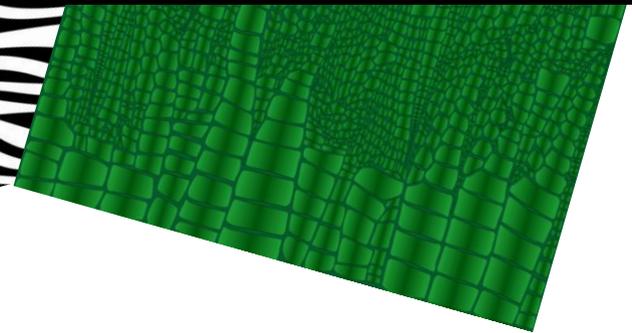
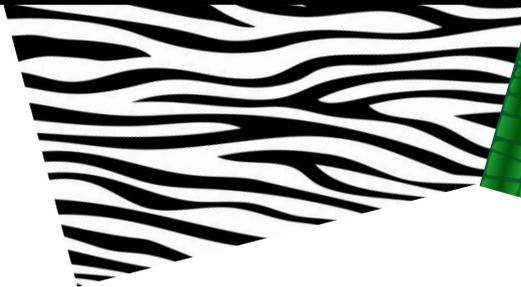
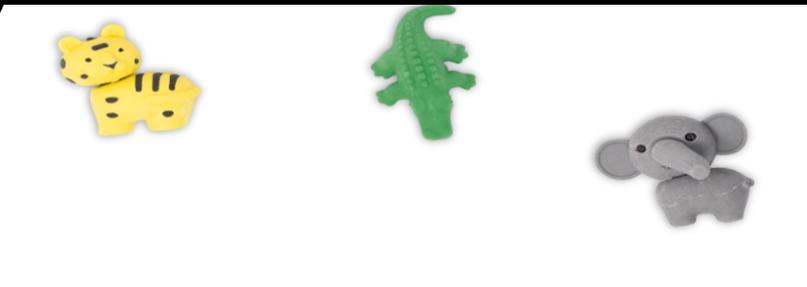
a zebra

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: The Safari Jeep 

First, draw a picture of each fraction. Then, read what to do at the bottom.

$\frac{3}{8}$  S	$\frac{4}{5}$  N	$\frac{3}{12}$  X	$\frac{7}{10}$  O	$\frac{2}{5}$  X		
$\frac{1}{3}$  X	$\frac{4}{10}$  X	$\frac{6}{6}$  F	$\frac{1}{5}$  X	$\frac{9}{12}$  U	$\frac{3}{4}$  R	$\frac{2}{12}$  X

Cross out the boxes with the following answers:
Any fraction less than $\frac{1}{2}$
The letters that are left will reveal a message.

The animal has: NO FUR

THE LIFETIME LEARNER

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
All the answers below are wrong. Find a match for each false equation to show the correct answer. Last, use the decoder at the bottom to solve the clue.

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

Clue #3: Find It!
Solve each question. Circle the boxes that are true. Read the words you circled from left to right like a book to solve the clue.

Clue #4: The Safari Jeep
Put the correct answer in each box. Then, read what to do at the bottom.

Clue #5: Fill in the Blank
Compare each set of fractions. Use the fraction strips above each question to help you.

$\frac{2}{3} > \frac{1}{4}$	$\frac{3}{6} = \frac{6}{12}$	$\frac{3}{4} > \frac{5}{6}$	$\frac{2}{3} < \frac{8}{12}$	$\frac{2}{2} < \frac{4}{10}$	$\frac{6}{8} > \frac{2}{4}$
$\frac{3}{5} > \frac{8}{10}$	$\frac{5}{5} = \frac{2}{2}$	$\frac{2}{2} > \frac{4}{10}$	$\frac{3}{5} < \frac{8}{10}$	$\frac{5}{5} > \frac{2}{2}$	$\frac{2}{3} = \frac{1}{4}$
$\frac{3}{4} < \frac{5}{6}$	$\frac{5}{6} = \frac{3}{4}$	$\frac{2}{3} = \frac{8}{12}$	$\frac{6}{8} = \frac{2}{4}$	$\frac{5}{6} > \frac{3}{4}$	$\frac{3}{4} < \frac{6}{12}$

Answer: Word

$\frac{3}{5} < \frac{8}{10}$	$\frac{3}{4} = \frac{5}{6}$	$\frac{2}{3} > \frac{8}{12}$	$\frac{6}{8} = \frac{2}{4}$
$\frac{3}{6} = \frac{6}{12}$	$\frac{2}{2} < \frac{4}{10}$	$\frac{5}{5} = \frac{2}{2}$	$\frac{6}{8} = \frac{2}{4}$
$\frac{6}{8} > \frac{2}{4}$	$\frac{2}{3} < \frac{1}{4}$	$\frac{5}{6} > \frac{3}{4}$	$\frac{5}{6} > \frac{3}{4}$

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 Detective Agency sends congratulations to:

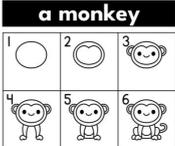


Lindsay

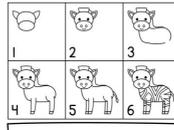
You solved the mystery!

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

LET'S DRAW...
a monkey



LET'S DRAW...
a zebra



Where is the Safari Group?

Solve the clues to figure out where the safari group is currently located.

I have gray whiskers. Meerkat	I have black stripes. Tiger	I have green scales. Crocodile	I have gray skin. Elephant
I have brown spots. Giraffe	I have yellow fur. Lion	I have brown fur. Chimp	I have black stripes. Zebra

Name:

solve the mystery



The Case of the Safari Adventure

WHAT MAKES MATH MYSTERIES UNIQUE?

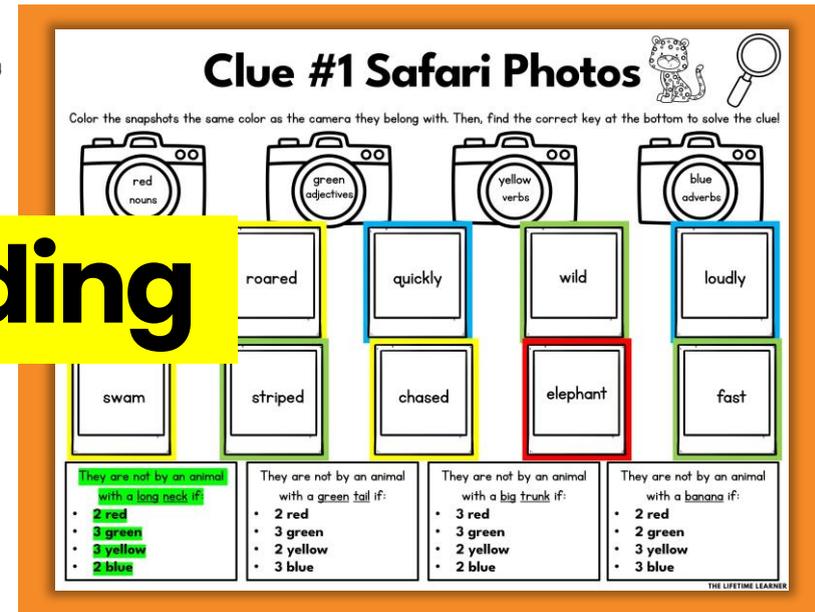
Math Mysteries aren't just a copy of Reading Mysteries!

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!

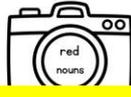
So, if you have both, students can play during math and then again during reading for double the fun.

Reading



Clue #1 Safari Photos

Color the snapshots the same color as the camera they belong with. Then, find the correct key at the bottom to solve the clue!

 red nouns	 green adjectives	 yellow verbs	 blue adverbs
roared	quickly	wild	loudly
swam	striped	chased	elephant
fast			

They are not by an animal with a long neck if:
• 2 red
• 3 green
• 3 yellow
• 2 blue

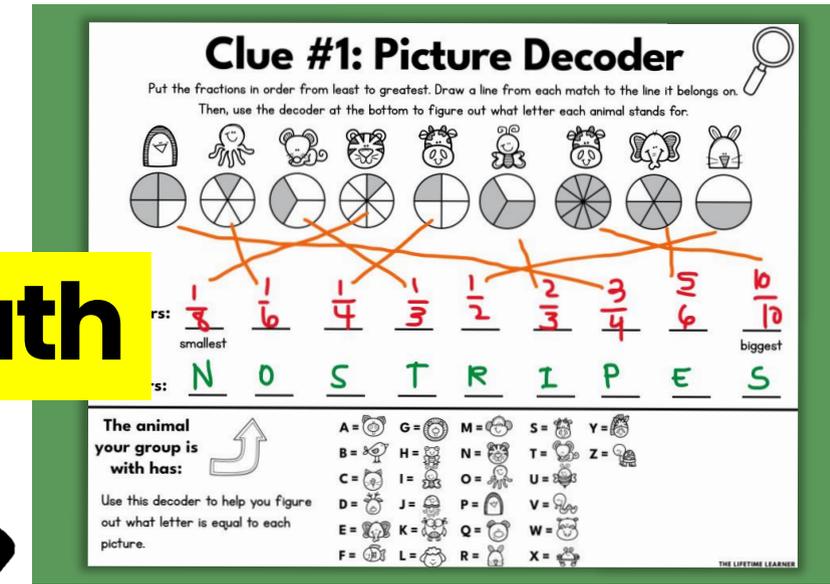
They are not by an animal with a green tail if:
• 2 red
• 3 green
• 2 yellow
• 3 blue

They are not by an animal with a big trunk if:
• 3 red
• 3 green
• 2 yellow
• 2 blue

They are not by an animal with a banana if:
• 2 red
• 2 green
• 3 yellow
• 3 blue

Example of Clue 1

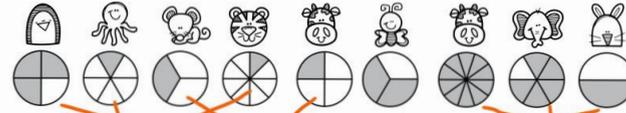
Math



Clue #1: Picture Decoder

Put the fractions in order from least to greatest. Draw a line from each match to the line it belongs on.

Then, use the decoder at the bottom to figure out what letter each animal stands for.

	
rs: $\frac{1}{8}$ $\frac{1}{6}$ $\frac{1}{4}$ $\frac{1}{3}$ $\frac{1}{2}$ $\frac{2}{3}$ $\frac{3}{4}$ $\frac{5}{6}$ $\frac{6}{10}$	smallest biggest
s: N O S T R I P E S	

The animal your group is with has:

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!**

