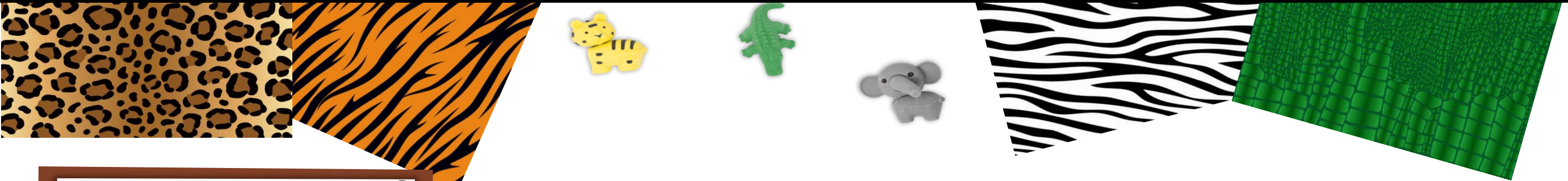


# WHAT IS THIS?



**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: Find It!**  
Solve each question. Use the pictures to show your work. Circle the boxes with an answer is 24.  
Read the words you circled from left to right like a book to solve the clue.

**Clue #3: Detective Report**  
The Livingstone family was going on their very first safari and they were so excited to see  $5 \div \frac{1}{5} = 25$  different animals.

**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.

**Answer & Word:**  
The giraffe has 2 leaves. She divides each one into fourths. How many pieces does she have?  
 $2 \div \frac{1}{4} = 8$   
The zebra needs to drink 8 liters of water. If she drinks a  $\frac{1}{2}$  liter at a time, how many times does she need to drink?  
 $8 \div \frac{1}{2} = 16$   
The monkey has 4 bananas. He splits each one into thirds. How many pieces of banana does he have?  
 $4 \div \frac{1}{3} = 12$   
The elephant finds 8 apples. He splits each one into fifths. How many pieces of apple does he have in all?  
 $8 \div \frac{1}{5} = 40$   
A meerkat has 6 strawberries. She will split each one in half for her baby. How many pieces will she have in all?  
 $6 \div \frac{1}{2} = 12$   
Ryan is splitting a 7 ft log into pieces of camp. He cuts off  $\frac{1}{2}$  ft with each cut. How many pieces of wood will he have when he's done?  
 $7 \div \frac{1}{2} = 14$   
You have 5 cups of tiger food. You scoop it out  $\frac{1}{5}$  of a cup at a time. How many times will you have to scoop to empty the box?  
 $5 \div \frac{1}{5} = 25$

**solve the mystery**

**The Case of the Safari Adventure**

THE LIFETIME LEARNER

**Where is the Safari Group?**  
Solve the clues to figure out where the safari group is currently located.

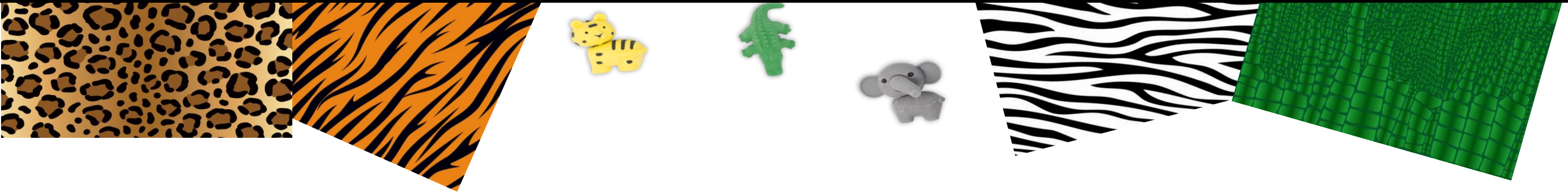
<del>I have gray whiskers.</del> <b>Meerkat</b>	<del>I have black stripes.</del> <b>Tiger</b>	<del>I have green scales.</del> <b>Crocodile</b>	I have gray skin. <b>Elephant</b>
<del>I have brown spots.</del> <b>Giraffe</b>	<del>I have yellow fur.</del> <b>Lion</b>	<del>I have brown fur.</del> <b>Chimp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

Name: \_\_\_\_\_

THE LIFETIME LEARNER

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

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

$\frac{1}{66}$ 
 $\frac{1}{46}$ 
 $\frac{1}{70}$ 
 $\frac{1}{18}$ 
 $\frac{1}{20}$ 
 $\frac{1}{35}$ 
 $\frac{1}{15}$ 
 $\frac{1}{16}$ 
 $\frac{1}{54}$

**Answers:**  $\frac{1}{16}$   $\frac{7}{6}$   $\frac{2}{20}$   $\frac{1}{70}$   $\frac{5}{4}$   $\frac{1}{54}$   $\frac{1}{35}$   $\frac{6}{6}$   $\frac{1}{16}$   $\frac{1}{15}$

**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.

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 =	

## Where is the Safari Group?

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

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

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**

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

$\frac{1}{66}$   $\frac{1}{96}$   $\frac{1}{70}$

Answers:  $\frac{1}{6} \div 3 = \frac{1}{18}$   $\frac{1}{12} \div 8 = \frac{1}{96}$

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: Find It!**

Solve each question. Use the pictures to show your work. Circle the boxes with an answer is 24.  
Read the words you circled from left to right like a book to solve the clue.

$2 \div \frac{1}{12} = 24$ the	$3 \div \frac{1}{5} = 15$ crocodile	$7 \div \frac{1}{3} = 21$ elephant	$4 \div \frac{1}{6} = 24$ meerkat
$5 \div \frac{1}{4} = 20$ giraffe	$3 \div \frac{1}{8} = 24$ should	$9 \div \frac{1}{3} = 27$ tail	$6 \div \frac{1}{5} = 30$ fur
$6 \div \frac{1}{4} = 24$ be	$2 \div \frac{1}{10} = 20$ lion	$8 \div \frac{1}{3} = 24$ eliminated	$4 \div \frac{1}{8} = 32$ chimp

Write the phrase on the line. Cross the wrong animal(s) off your list.

The meerkat should be eliminated

**Clue #3: Detective Report**

was going on their very first safari and they were so excited to see  $5 \div \frac{1}{5} = 25$  different

nya and arrived at their safari jeep, which could hold  $10 \div \frac{1}{4} = 40$  people. The safari began

ance. The safari guide saw  $4 \div \frac{1}{12} = 48$

lions. The lions chased a group of

e, the safari group saw  $7 \div \frac{1}{3} = 21$  tiger

N=40 B=25  
T=72 W=21  
O=48 R=90  
N=40 O=48

THE LIFETIME LEARNER

- Divide Unit Fractions by Whole Numbers
- Divide Whole Numbers by Unit Fractions
- Safari-Themed
- Error Analysis Practice

**All clues focus on reviewing 5<sup>th</sup> grade skills!**

## A collage featuring various animal patterns: leopard spots, tiger stripes, zebra stripes, and a green crocodile skin pattern. In the center, there are three small, stylized animal figures: a yellow tiger, a green crocodile, and a grey elephant. Below the collage is a brown-bordered box containing the text "Clue #1: Picture Decoder" and a small circular icon.

## Clue #2: Find It!

Solve each question. Use the pictures to show your work. Circle the boxes with an answer is 24.

Read the words you circled from left to right like a book to solve the clue.

$2 \div \frac{1}{12} = 24$  the

$3 \div \frac{1}{5} = 15$  crocodile

$7 \div \frac{1}{3} = 21$  elephant

$4 \div \frac{1}{6} = 24$  meerkat

$5 \div \frac{1}{4} = 20$  giraffe

$3 \div \frac{1}{8} = 24$  should

$9 \div \frac{1}{3} = 27$  tail

$6 \div \frac{1}{5} = 30$  fur

$6 \div \frac{1}{4} = 24$  be

$2 \div \frac{1}{10} = 20$  lion

$8 \div \frac{1}{3} = 24$  eliminated

Write the phrase on the line. Cross the wrong animal(s) off.

The meerkat should be eliminated

$2 \div \frac{1}{12}$  the

$5 \div \frac{1}{4}$  giraffe

## Clue #2: Find It!

Solve each question. Use the pictures to show your work. Circle the boxes with an answer is 24.

Read the words you circled from left to right like a book to solve the clue.

**2 ÷  $\frac{1}{12}$**       the

12	24
----	----

**3 ÷  $\frac{1}{5}$**       crocodile

--	--	--

**7 ÷  $\frac{1}{3}$**       elephant


**4 ÷  $\frac{1}{6}$**       meerkat


**5 ÷  $\frac{1}{4}$**       giraffe


**3 ÷  $\frac{1}{8}$**       should

--	--	--

**9 ÷  $\frac{1}{3}$**       tail


**6 ÷  $\frac{1}{5}$**       fur


**6 ÷  $\frac{1}{4}$**       be


**2 ÷  $\frac{1}{10}$**       lion

--	--

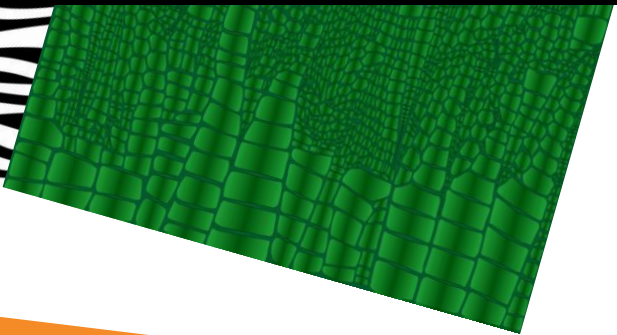
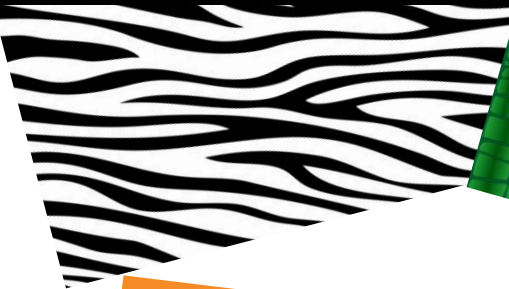
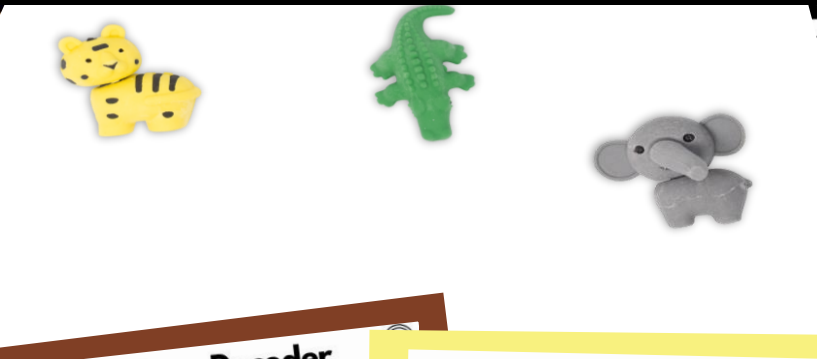
**8 ÷  $\frac{1}{3}$**       eliminated


**4 ÷  $\frac{1}{8}$**       chimp


Write the phrase on the line. Cross the wrong animal(s) off your list.



# 2 MATH FACT OPTIONS!



### Where is the Safari Group?

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

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

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:  $7 \div 3 = 2$ ,  $16 \div 4 = 4$ ,  $19 \div 1 = 19$ ,  $11 \div 1 = 11$ ,  $12 \div 2 = 6$ ,  $9 \div 3 = 3$ ,  $5 \div 1 = 5$ ,  $18 \div 6 = 3$

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.

<input checked="" type="checkbox"/> $12 \div 4 = 3$	<input checked="" type="checkbox"/> $12 \div 5 = 2$	<input checked="" type="checkbox"/> $6 \div 8 = 15$
<input checked="" type="checkbox"/> $5 \div 8 = 3$	<input checked="" type="checkbox"/> $3 \div 2 = 5$	<input checked="" type="checkbox"/> $3 \div 3 = 9$
<input checked="" type="checkbox"/> $7 \div 6 = 14$	<input checked="" type="checkbox"/> $7 \div 9 = 16$	<input checked="" type="checkbox"/> $11 \div 7 = 8$
<input checked="" type="checkbox"/> $2 \div 9 = 11$	<input checked="" type="checkbox"/> $6 \div 1 = 5$	<input checked="" type="checkbox"/> $9 \div 4 = 13$

### Clue #3: Detective Report

The Livingstone family was going on their very first safari and they were so excited to see  $6 \div 7 = 13$  different animals. They went to Kenya and arrived at their safari jeep, which could hold  $4 \div 14 = 18$  people. The safari began the Livingstones immediately spotted  $5 \div 9 = 14$  elephants in the distance. The safari guide saw  $2 \div 2 = 4$  elephants with them. Later, everyone saw a pride made of  $3 \div 7 = 10$  lions. The lions chased a group of  $1 \div 9 = 5$  zebras, who barely escaped into the plains. At the watering hole, the safari group saw  $12 \div 8 = 20$  tigers. 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

NOT BROWN

### Clue #4: The Safari Jeep

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

$96 \div 8 = 12$	$54 \div 9 = 6$	$60 \div 12 = 5$	$88 \div 8 = 11$	$18 \div 9 = 2$
$5 \div 5 = 1$	$99 \div 11 = 9$	$21 \div 7 = 3$	$40 \div 5 = 8$	$49 \div 7 = 7$
$110 \div 11 = 10$	$36 \div 9 = 4$			

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

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.

$54 \div 9 = 6$	$21 \div 3 = 7$	$24 \div 6 = 4$	$6 \div 2 = 3$	$10 \div 2 = 5$	$44 \div 4 = 11$
$5 \div 1 = 5$	$11 \div 1 = 11$	$7 \div 1 = 7$	$12 \div 3 = 4$	$56 \div 8 = 7$	$9 \div 1 = 9$
$96 \div 12 = 8$	$48 \div 6 = 8$	$8 \div 1 = 8$	$108 \div 12 = 9$	$2 \div 1 = 2$	$16 \div 4 = 4$

Answer: Word

$12 \div 3 = 4$	The
$21 \div 3 = 7$	group
$11 \div 1 = 11$	is

Answer: Word

$96 \div 12 = 8$	with
$7 \div 1 = 7$	an
$54 \div 9 = 6$	animal

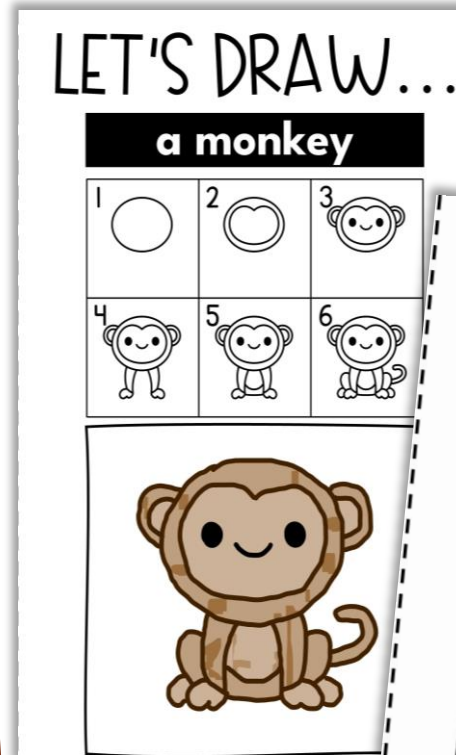
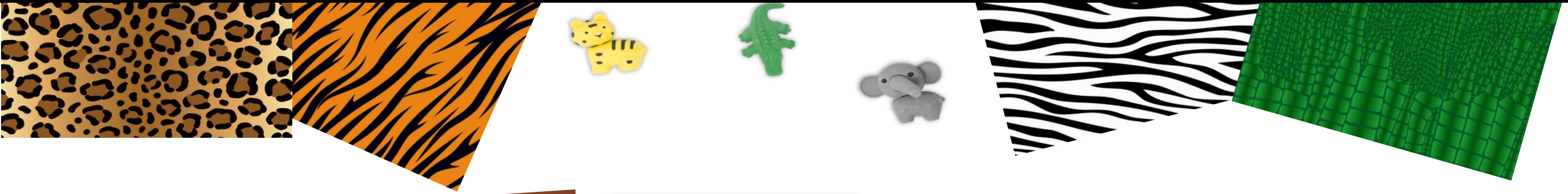
Answer: Word

$8 \div 1 = 8$	that
$44 \div 4 = 11$	is
$2 \div 1 = 2$	gray

Same clues. Same mystery. Different math!

Use the add/subtract facts to 20 mystery or the multiplication/division facts 1-12 mystery!

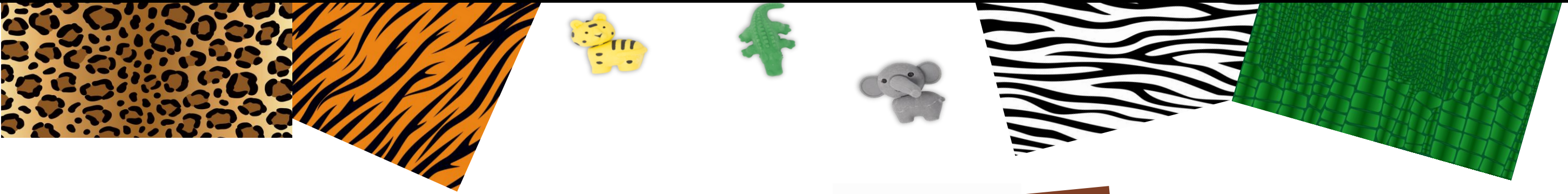
# FAST FINISHER ACTIVITY



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**

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

$\frac{1}{9} \div 7$ <del>S</del> $\frac{1}{63}$	$10 \div \frac{1}{11}$ N 110	$4 \div \frac{1}{8}$ <del>P</del> 32	$\frac{1}{5} \div 3$ O $\frac{1}{15}$	$9 \div \frac{1}{6}$ <del>7</del> 54	
$8 \div \frac{1}{3}$ <del>E</del> 24	$\frac{1}{2} \div 6$ <del>E</del> $\frac{1}{12}$	$\frac{1}{7} \div 5$ F $\frac{1}{35}$	$\frac{1}{11} \div 2$ <del>7</del> $\frac{1}{22}$	$\frac{1}{9} \div 6$ U $\frac{1}{54}$	$\frac{1}{8} \div 3$ R $\frac{1}{24}$
$5 \div \frac{1}{3}$ <del>S</del> 15					

Cross out the boxes with the following answers:  
 $\frac{1}{63}, 32, 54, \frac{1}{12}, 15, 24, \frac{1}{22}$   
The letters that are left will reveal a message.

**The animal has:**  
NO FUR

THE LIFETIME LEARNER

In 5<sup>th</sup> 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.

$9 \div \frac{1}{3} = 27$	$8 \div \frac{1}{2} = 16$	$7 \div \frac{1}{5} = 35$	$2 \div \frac{1}{6} = 12$	$5 \div \frac{1}{8} = 40$	$4 \div \frac{1}{3} = 12$
$4 \div \frac{1}{2} = 8$	$7 \div \frac{1}{2} = 14$	$10 \div \frac{1}{8} = 80$	$2 \div \frac{1}{4} = 8$	$8 \div \frac{1}{10} = 80$	$2 \div \frac{1}{8} = 16$
$8 \div \frac{1}{5} = 40$	$3 \div \frac{1}{4} = 12$	$6 \div \frac{1}{2} = 12$	$3 \div \frac{1}{9} = 27$	$5 \div \frac{1}{7} = 35$	$2 \div \frac{1}{7} = 14$

Answer & Word:  $2 \div \frac{1}{4} = 8$  The group

Answer & Word:  $6 \div \frac{1}{5} = 30$  with

Answer & Word:  $10 \div \frac{1}{8} = 80$  an

Answer & Word:  $7 \div \frac{1}{2} = 14$  is

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!

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


LET'S DRAW...  
a monkey

1 2 3 4 5 6



LET'S DRAW...  
a zebra

1 2 3 4 5 6



Where is the Safari Group?

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

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

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**

Example  
of Clue 1

**Math**

**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

**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.

1/66	1/96	1/70	1/18	1/20	1/35	1/15	1/16	1/54
$\frac{1}{6} \div \frac{3}{10} = \frac{10}{18} = \frac{5}{9}$	$\frac{1}{12} \div \frac{8}{12} = \frac{1}{8}$	$\frac{1}{5} \div \frac{4}{12} = \frac{3}{10}$	$\frac{1}{10} \div \frac{7}{12} = \frac{6}{35}$	$\frac{1}{6} \div \frac{9}{10} = \frac{5}{18}$	$\frac{1}{7} \div \frac{5}{12} = \frac{4}{35}$	$\frac{1}{11} \div \frac{6}{12} = \frac{2}{11}$	$\frac{1}{8} \div \frac{2}{12} = \frac{3}{8}$	$\frac{1}{31} \div \frac{5}{12} = \frac{12}{155}$
N	O	S	T	R	L	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!**

