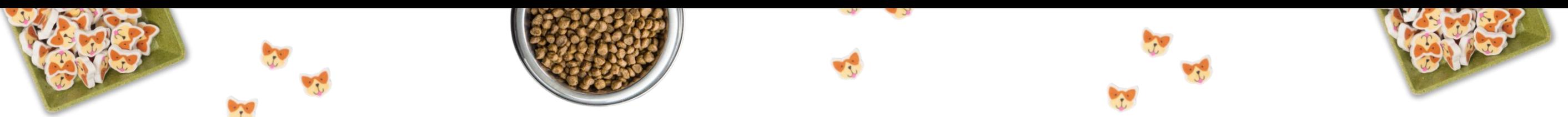# WHAT IS THIS?

Clue #1: Descrambler
Solve each question. When the letters are unscrambled, they will make up the clue.

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

Clue 3: Color the Pet Food
Solve each question. Choose the correct answer. Color each food bowl the correct color.

There are 7 cats. There are 8 times as many hamsters as there are cats. How many hamsters are there?

$7 \times 8 =$

You Fill up 80 dog bowls at the animal shelter. You fill up 10 times more dog bowls than cat bowls. How

There are 9 snakes in the store. Each snake has two times as many stripes as there are snakes. How many

There are 3 dogs. Each dog has 3 times as many spots as there are dogs. How many spots does each dog

A. 48-color f
B. 49-color f
C. 55-color f
D. 56-color f

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

- 0 red bo
- 1 blue b
- 2 green
- 1 yellow

Cross out pet
3 letters in th

Clue #5: Circle It!
Solve each question. Circle the boxes that equal 12.
Read the words you circled from left to right like a book to solve the clue.

$3 \times 4 = 12$ the	$2 \times 2 = 4$ dog	$144 \div 12 = 12$ pet
You have three humans at your house. There are 4 times more pets than humans at your house. How many pets are there?	Each bird has two feet. Dogs have two times as many feet as birds. How many feet do dogs have?	There are 144 ferrets running around. There are 12 times more ferrets than gerbils. How many gerbils are there?
$8 \times 3 = 24$ cat	$63 \div 7 = 9$ does	$18 - 3 = 6$ not
The mice saw 8 cats. There are 3 times more mice hiding than there are cats walking around. How many mice are there?	63 dogs are waiting for a home at the shelter. There are 7 times more dogs than turtles there. How many turtles are there?	18 bags of dog food were donated to the shelter. That is 3 times more than the amount of cat food donated. How much cat food was donated?
$72 \div 6 = 12$ says	$2 \times 4 = 8$ woof	$6 \times 2 = 12$ meow
There are 72 fish. There are 6 times more fish than people who want to buy fish. How many people want to buy fish?	Parakeets have two legs. Octopi have four times as many legs than parakeets. How many legs do octopi have?	There are 6 hermit crabs in the shop. There are two times as many cages available as there are hermit crabs. How many cages are there in all?

Write the phrase on the line. Cross the wrong pet off your list. You should know the final answer!

The pet says meow

solve the mystery
The Case of the New Pet

THE LIFETIME LEARNER

Which Pet Did I Receive?
Read the facts about each animal to help you solve the clues.

I have a brown tail.	I have blue fins.	I have blue feathers.	I have green spots.
Mouse	Fish	Bird	Snake
I have white ears.	I have brown fur.	I have white stripes.	I have a green shell.
Rabbit	Dog	Cat	Turtle

Name:

THE LIFETIME LEARNER

Students complete a series of clues to figure out what animal the new pet is!

HOW TO PLAY

What Happened?

Yay! My parents got me a new pet! They've given me clues to figure out what animal it is. Help me by solving each clue to figure out the mystery. Every time you solve a clue, you will get closer to discovering what my new pet is!

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

THE LIFETIME LEARNER

Clue #1: Descrambler

Solve each question. When the letters are unscrambled, they will make up the clue.

F 3x4=12
The parakeet chirps 3 times per hour. The bird chirps 4 times as many times as the parakeet. How many times does the bird chirp?

T 3x9=27
There are 3 pets. They eat 9 times as much food as there are pets. How much food do they eat?

O 5x8=40
A turtle travels 5 miles the first day. The second day, he travels 8 times further. How far did he travel the second day?

N 10x3=30
There are 10 dogs. There are 3 times as many cats as dogs. How many cats are there?

E 6x6=36
There are 6 fish tanks. There are 6 times as many fish as there are tanks. How many fish are there?

E 2x7=14
A baby snake can eat 2 pounds of meat. A mother snake can eat 7 times as much as a baby. How much can the mother eat?

Place the correct letter on top of each matching answer.

You did not get a pet that has...

N O   F E E T
30 40   12 14 36 27

THE LIFETIME LEARNER

Which Pet Did I Receive?

Read the facts about each animal to help you solve the clues.

I have a brown tail.	I have blue fins.	I have blue feathers.	I have green spots.
Mouse	Fish	Bird	Snake
I have white ears.	I have brown fur.	I have white stripes.	I have a green shell.
Rabbit	Dog	Cat	Turtle

Name:

THE LIFETIME LEARNER

Each time students solve a clue, it will reveal which pets to cross out.

When all clues are completed, the mystery of the new pet will be solved!

SKILL PRACTICE

Clue #1: Descrambler
Solve each question. When the letters are unscrambled, they will make up the clue.

F $3 \times 4 = 12$

T $3 \times 9 = 27$

O $5 \times 8 = 40$

The parakeet chirps 3 times per hour. The bird chirps 4 times as many times as the parakeet. How many times does the bird chirp?

A turtle travels 5 miles the first...

N $10 \times 3 = 30$

There are 10 dogs. There are 3 times as many cats as dogs. How many cats are there?

Place the correct...

You did not get a pet...

N   O

30   40

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

There are 81 turtles. There are 9 times as many turtles as there are tanks. How many tanks are there? ✓ 9

There are 50 dogs at the animal shelter. There are 10 times more dogs than cats. How many cats are there? ✗ 10

There are 27 mice in the pet shop. There are 3 times as many mice as there are rats. How many rats are there? ✓ 9

The turtles have 42 pounds of lettuce to eat. There is 6 times as much lettuce as there are carrots. How many carrots are there? ✗ 8

The dog has 18 bones. He has 9 times more bones than treats. How many treats does he have? ✓ 2

15 snails are in the pet shop. There are 5 times as many snails as there are mice. How many mice are there? ✓ 3

Which pet got both of their answers correct? They are not the new pet.

Clue 3: Color the Pet Food
Solve each question. Choose the correct answer. Color each food bowl the correct color.

You fill up 80 dog bowls at the animal shelter. You fill up 10 times more dog bowls than cat bowls. How many cat bowls...

There are 9 snakes in the store. Each snake has two times as many stripes as there... How many... the snakes

$= 18$

There are 3 dogs. Each dog has 3 times as many spots as there are dogs. How many spots does each dog have?

$3 \times 3 = 9$

A. 6-color food red
B. 7-color food blue
C. 8-color food green
D. 9-color food yellow

...food red
...food blue
...food green
...yellow

for your next hint!

- 1 red bowl
- 0 blue bowls
- 1 green bowl
- 2 yellow bowls

Cross out pets with 6 letters in their name.

THE LIFETIME LEARNER

- Multiplicative Comparison Word Problems
- Real-Life Mathematics
- Pet-Themed
- Error Analysis Practice

All clues focus on multiplicative comparisons!

MULTIPLE VERSIONS

Print & Digital Forms

Clue #1: Descrambler
Solve each question. When the letters are unscrambled, they will make up the clue.

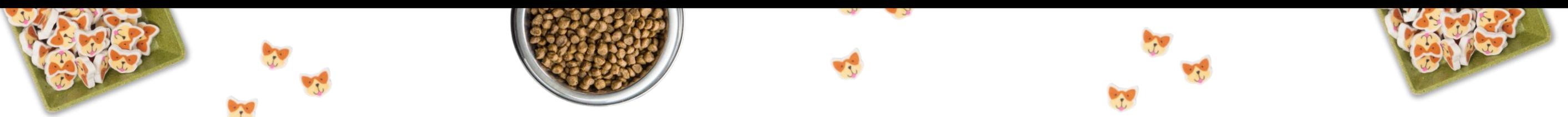| F $3\times4=12$	T $3\times9=27$	O $5\times8=40$
The parakeet chirps 3 times per hour. The bird chirps 4 times as many times as the parakeet. How many times does the bird chirp?	There are 3 pets. They eat 9 times as much food as there are pets. How much food do they eat?	A turtle travels 5 miles the first day. The second day, he travels 8 times further. How far did he travel the second day?
N $10\times3=30$	E $6\times6=36$	E $2\times7=14$
There are 10 dogs. There are 3 times as many cats as dogs. How many cats are there?	There are 6 fish tanks. There are 6 times as many fish as there are tanks. How many fish are there?	A baby snake can eat 2 pounds of meat. A mother snake can eat 7 times as much as a baby. How much can the mother eat?

Place the correct letter on top of each matching answer.

You did not get a pet that has...

N O F E E T
30 40 12 14 36 27

Clue #1: Descrambler
Solve each question. When the letters are unscrambled, they will make up the clue.

F	T	O
The parakeet chirps 3 times per hour. The bird chirps 4 times as many times as the parakeet. How many times does the bird chirp?	There are 3 pets. They eat 9 times as much food as there are pets. How much food do they eat?	A turtle travels 5 miles the first day. The second day, he travels 8 times further. How far did he travel the second day?
N	12	
There are 10 dogs. There are 3 times as many cats as dogs. How many cats are there?	There are 6 fish tanks. There are 6 times as many fish as there are tanks. How many fish are there?	A baby snake can eat 2 pounds of meat. A mother snake can eat 7 times as much as a baby. How much can the mother eat?

Place the correct letter on top of each matching answer.

You did not get a pet that has...

F
30 40 12 14 36 27

Clue #1: Descrambler
Solve each question. When the letters are unscrambled, they will make up the clue.

3 Clue Version

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

Clue 3: Color the Pet Food
Solve each question. Choose the correct answer. Color each food bowl the correct color.

There are 7 cats. There are 8 times as many hamsters as there are cats. How many hamsters are there? $7\times8=56$	You fill up 80 dog bowls at the animal shelter. You fill up 10 times more dog bowls than cat bowls. How many cat bowls are there? $80\div10=8$	There are 9 snakes in the store. Each snake has two times as many stripes as there are snakes. How many stripes do the snakes have? $2\times9=18$	There are 3 dogs. Each dog has 3 times as many spots as there are dogs. How many spots does each dog have? $3\times3=9$
A. 48-color food red			food red
B. 49-color food			food blue
C. 55-color food			food green
D. 56-color food			food yellow

0 red bowls	2 red bowls	1 red bowl	1 red bowl
1 blue bowl	1 blue bowl	2 blue bowls	0 blue bowls
2 green bowls	0 green bowls	1 green bowl	1 green bowl
1 yellow bowl	1 yellow bowl	0 yellow bowls	2 yellow bowls

Cross out pets with 3 letters in their name.
Cross out pets with 4 letters in their name.
Cross out pets with 5 letters in their name.
Cross out pets with 6 letters in their name.

THE LIFETIME LEARNER

Short & Long Options

Clue #1: Descrambler
Solve each question. When the letters are unscrambled, they will make up the clue.

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

Clue 3: Color the Pet Food
Solve each question. Color each food bowl the correct color.

| There are 7 cats. | You fill up 80 | There are 9 snakes in | There are 3 dogs. Each |

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

5 Clue Version

Clue #5: Circle It!
Solve each question. Circle the boxes that equal 12.
Read the words you circled from left to right like a book to solve the clue.

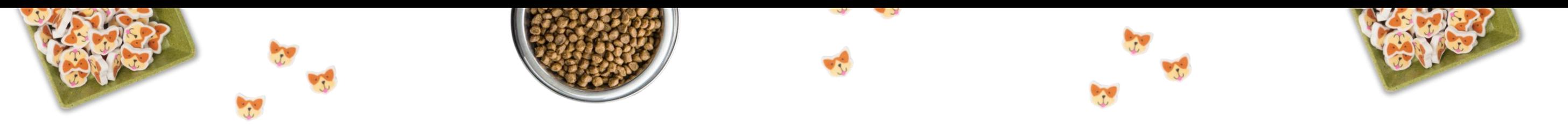| $3\times4=12$ the	$2\times2=4$ dog	$144\div12=12$ pet
You have three humans at your house. There are 4 times more pets than humans at your house. How many pets are there?	Each bird has two feet. Dogs have two times more feet than birds. How many feet do dogs have?	There are 141 ferrets running around. There are 12 times more ferrets than gerbils. How many gerbils are there?
$8\times3=$		not
more mice hiding	were donated to times more	
walking around. How	donated. How	
there?		
$72\div6=$		meow
There are 72 fish	crabs in the	
more fish than	There are 3	
fish. How many people want to buy fish?	available as there are hermit crabs. How many legs do octopi have?	many cages are there in all?

Write the phrase on the line. Cross the wrong pet off your list. You should know the final answer!

The pet says meow

THE LIFETIME LEARNER

2 MATH FACT OPTIONS!

Which Pet Did I Receive?
Read the facts about each animal to help you solve the clues.

Clue #1: Picture Decoder

Clue #2: Error Analysis

Clue #3: Detective Report

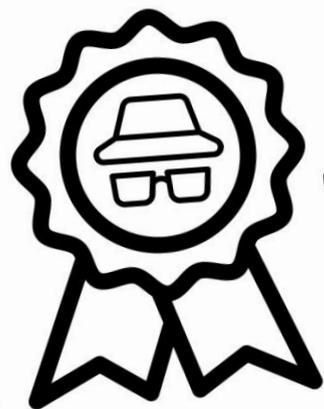**Clue #4: The Pet Crate**

Clue #5: Circle It!

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
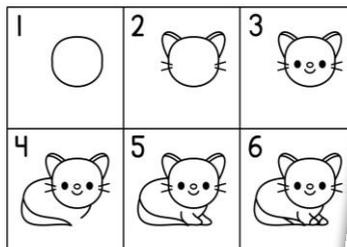
The Detective Agency sends congratulations to:

Lindsay

You solved the mystery!

11/2
Date

_AW_
Presented by:

THE LIFETIME LEARNER

LET'S DRAW...
a cat

1 2 3
4 5 6

THE LIFETIME LEARNER
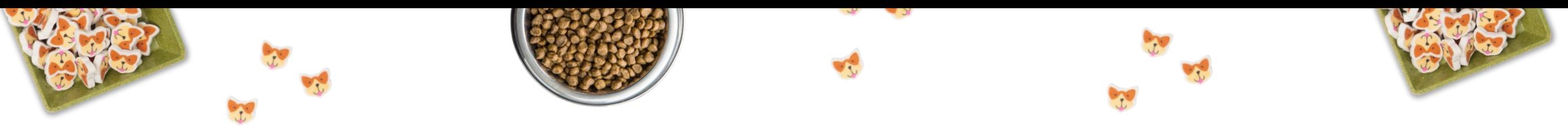
LET'S DRAW...
a dog

1 2 3
4 5 6

THE LIFETIME LEARNER

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.

Clue #4: The Pet Crate

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

There are 3 dog treats. There are 8 times as many dogs as there are treats. How many dogs are there?

$3 \times 8 = 24$ blue

The rabbit hopped 4 feet on his first try. The second time, he hopped four times as far as the first time. How far did he hop the second time?

$4 \times 4 = 16$ brown

The bird eats 5 pellets. The next day, he eats three times as many pellets. How many pellets did he eat the second day?

$5 \times 3 = 15$ white

There are 72 mice sleeping a cage. There are 8 times more mice sleeping than awake. How many mice are awake?

$72 \div 8 = 9$ white

You clean up 40 dirty paw prints off the floor in May. You cleaned up 5 times more in May than in June. How many paw prints did you clean up in June?

$40 \div 5 = 8$ blue

The water bottle in the cage holds 100 drops of water. It holds ten times more water than the water bowl. How much water does the water bowl hold?

$100 \div 10 = 10$ brown

Cross out the boxes with the following answers:

8, 9, 10, 15, 16

What color is left? Write it on the line.

The pet is not:

blue

THE LIFETIME LEARNER

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
Write what numbers comes next when counting up. Then, draw a line to each match.
Last, use the decoder at the bottom to solve the clue.

Clue #2: Error Analysis
Check each pet's work counting down.
Put a check or an X next to the last number.

Clue #3: Detective Report
Tell what number comes next on each line. Count up.
There were 20, 21, 22 animals in the pet shop. Today, 95, 96, 97 dogs were adopted by families. 55, 56, 57

Clue #4: The Pet Crate
Tell what number goes on the blank when counting up. Then, read what to do at the bottom.

Clue #5: Circle It!
Solve each question. Circle the boxes that equal 12.
Read the words you circled from left to right like a book to solve the clue.

3×4=12 the	2×2=4 dog	144÷12=12 pet
You have three humans at your house. There are 4 times more pets than humans at your house. How many pets are there?	Each bird has two feet. Dogs have two times more feet than birds. How many feet do dogs have?	There are 144 ferrets running around. There are 12 times more ferrets than gerbils. How many gerbils are there?
8×3=24 cat	63÷7=9 does	18−3=6 not
The mice saw 8 cats. There are 3 times more mice hiding than there are cats walking around. How many mice are there?	63 dogs are waiting for a home at the shelter. There are 7 times more dogs than turtles there. How many turtles are there?	18 bags of dog food were donated to the shelter. That is 3 times more than the amount of cat food donated. How much cat food was donated?
72÷6=12 says	2×4=8 woof	6×2=12 meow
There are 72 fish. There are 6 times more fish than people who want to buy fish. How many people want to buy fish?	Parakeets have two legs. Octopi have four times more legs than parakeets. How many legs do octopi have?	There are 6 hermit crabs in the shop. There are two times as many cages available as there are hermit crabs. How many cages are there in all?

Write the phrase on the line. Cross the wrong pet off your list. You should know the final answer!
The pet says meow

The Detective Agency sends congratulations to:
Lindsay
You solved the mystery!
11/2 _____ _____
Date   Presented by:

Which Pet Did I Receive?
Read the facts about each animal to help you solve the clues.

I have a brown tail.	I have blue fins.	I have blue feathers.	I have green spots.
Mouse	Fish	Bird	Snake
I have white ears.	I have brown fur.	I have white stripes.	I have a green shell.
Rabbit	Dog	Cat	Turtle

Name:

LET'S DRAW...
a cat

LET'S DRAW...
a dog

solve the mystery
The Case of the New Pet

THE LIFETIME LEARNER

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

Clue #1: Descrambler

What verb is missing from each sentence? Find your answer at the bottom. Write the letter next to each cage on each line. When the letters are unscrambled, they will make up the clue.

The pet you got is:
N O T W H I T E

Math

Clue #1: Descrambler

Solve each question. When the letters are unscrambled, they will make up the clue.

F 3x4=12   T 3x9=27   O 5x8=40
N 10x3=30   E 6x6=36   E 2x7=14

Place the correct letter on top of each matching answer.

You did not get a pet that has...
N O F E E T

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!
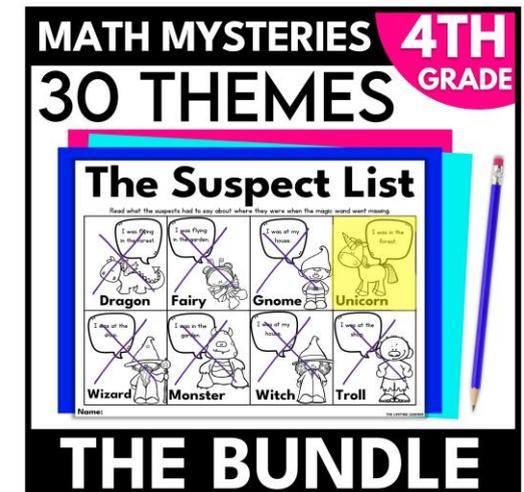
CVC WORDS
kinder PHONICS
1st PHONICS
2nd PHONICS

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
Read what the suspects had to say about where they were when the magic word went missing.

Dragon   Fairy   Gnome   Unicorn
Wizard   Monster   Witch   Troll

Name:

THE BUNDLE