

# WHAT IS THIS?



**Clue #1: Picture Decoder**  
Write what numbers comes next when skip counting by 5s. 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 when counting by 10s.  
Put a check or an X next to the last number.

**Clue #3: Detective Report**  
Count by 100s. Fill in each missing number.  
There were 310,410 animals in the pet shop. Today, 728,828 dogs were adopted by families. 545,645 guinea pigs were also adopted. However, when the manager was making sure every pet was in their crate for the night, he realized 920 cages. When he counted the missing rabbits, he found 420,520 near the snakes and they all disappeared.

**Clue #4: The Pet Crate**  
Skip count by 5s and 10s. Put the correct answer in each box. Then, read what to do at the bottom.

**Clue #5: Circle It!**  
Solve each question. Circle the boxes that equal 10.  
Read the words you circled from left to right like a book to solve the clue.

56 ÷ 7 tail 8	5 × 2 the 10	3 × 3 dog 9	100 ÷ 10 pet 10
1 × 10 you 10	45 ÷ 5 cat 9	40 ÷ 4 get 10	9 × 1 does 9
48 ÷ 6 not 8	80 ÷ 8 says 10	4 × 2 woof 8	2 × 5 meow 10

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

The pet you get says meow

**solve the mystery**

**The Case of the New Pet**

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

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

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


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: 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.




								
14	10	6	16	18	12	9	4	20



























Answers: 6 16 14 12 4 10 18 20 9

$\frac{3 \times 3}{10}$	$\frac{12 \div 4}{16}$	$\frac{6 \div 8}{14}$	$\frac{5 \times 7}{12}$	$\frac{3 \div 1}{4}$	$\frac{8 \div 2}{10}$	$\frac{15 \div 3}{18}$	$\frac{10 \div 10}{20}$	$\frac{5 \times 4}{9}$
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Letters: H A S N O F E E I

You did NOT get any pet that... 









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 = 	

THE LIFETIME LEARNER

## Which Pet Did I Receive?

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

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

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: 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.

24 45 81

Answers:  $\frac{81}{9 \times 9}$   $\frac{20}{5 \times 4}$   $\frac{2}{1 \times 2}$

Letters: H A

**You did NOT get any pet that...**

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

**Clue #2: Error Analysis**

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

Turtle	Dog	Mouse
<input checked="" type="checkbox"/> $54 \div 9 = 6$	<input checked="" type="checkbox"/> $16 \div 8 = 2$	<input checked="" type="checkbox"/> $28 \div 3 = 7$
<input checked="" type="checkbox"/> $35 \div 7 = 5$	<input checked="" type="checkbox"/> $49 \div 7 = 8$	<input checked="" type="checkbox"/> $72 \div 9 = 8$
<input checked="" type="checkbox"/> $10 \div 2 = 3$	<input checked="" type="checkbox"/> $56 \div 9 = 7$	<input checked="" type="checkbox"/> $50 \div 5 = 10$
<input checked="" type="checkbox"/> $25 \div 5 = 5$	<input checked="" type="checkbox"/> $63 \div 7 = 9$	<input checked="" type="checkbox"/> $27 \div 3 = 9$
<input checked="" type="checkbox"/> $81 \div 9 = 8$	<input checked="" type="checkbox"/> $12 \div 3 = 5$	<input checked="" type="checkbox"/> $48 \div 8 = 6$

The pet with the most correct answers is not the pet you will receive.

**Clue #3: Detective Report**

56 animals in the pet shop. Today,  $2 \times 4 = 8$  dogs were adopted by families.  $10 \times 8 = 80$

opted. However, when the manager was making sure every pet was in their crate for the

store, including  $9 \times 9 = 81$  rabbit

him search. Everyone looked for the

They found  $3 \times 7 = 21$  more hiding

ere found. But in the morning,

T=36	X=56
L=16	E=21
S=72	I=80
T=8	R=15
S=81	E=20

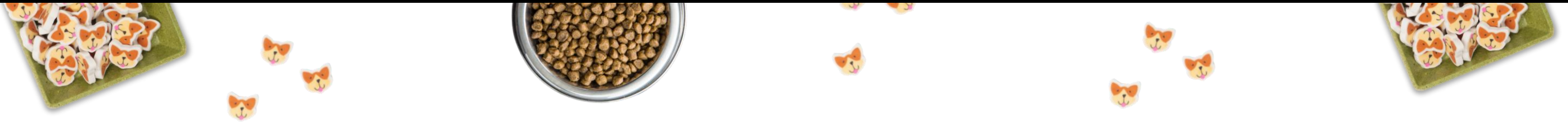
THE LIFETIME LEARNER

- Version 1:  
Addition & Subtraction Facts
- Version 2:  
Multiplication & Division Facts

**All clues focus on reviewing math facts!**



# MULTIPLE VERSIONS



Print & Digital Forms

## Clue #1: Picture Decoder

Write what numbers comes next when skip counting by 5s. 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 when counting by 10s.  
Put a check or an X next to the last number.

## Clue #3: Detective Report

There were  $5+6=11$  animals in the pet shop. Today,  $2+1=3$  dogs were adopted by families.  $4+4=8$  guinea pigs were also adopted. However, when the manager was making sure every pet was in their crate for the night, he realized  $11+7=18$  rabbits were missing! He checked all over the store, including  $8+7=15$  rabbit cages. When he counted the missing rabbits and the more hiding near the snake cages,  $9+4=13$  little and they all decided to go home.

3 Clue Version

The animal's name does not have:

3 5 7 9 11 13 15 17 19 21  
S L X LETTERS

S=13

I=8

T=18

R=10

S=15

E=16

## Clue #1: Picture Decoder

Write what numbers comes next when skip counting by 5s. 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 when counting by 10s.  
Put a check or an X next to the last number.

## Clue #3: Detective Report

Count by 100s. Fill in each missing number.  
There were 310,410, 510 animals in the pet shop. Today, 728,828, 918 dogs were adopted by families. 545,645, 245

## Clue #4: The Pet Crate

Skip count by 5s and 10s. Put the correct answer in each box. Then, read what to do at the bottom.

## Clue #5: Circle It!

Solve each question. Circle the boxes that equal 10.  
Read the words you circled from left to right like a book to solve the clue.

4+5 9	tail 12-2 10	dog 15-4 11	pet 9+1 10
3+7 10		does 17-8 9	
11-2 9		meow 16-6 10	

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

## 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: 6 16 14 12 4 10 18 20  
Letters: H A S N O F E

You did NOT get any pet that...

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

A = 🐱 B = 🐶 C = 🐭 D = 🐹 E = 🐰 F = 🐇 G = 🐓 H = 🐔 I = 🐛 J = 🐷 K = 🐘 L = 🐙 M = 🐘 N = 🐘 O = 🐘 P = 🐘 Q = 🐘 R = 🐘 S = 🐘 T = 🐘 U = 🐘 V = 🐘 W = 🐘 X = 🐘 Y = 🐘 Z = 🐘

## 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: 6 16 14 12 4 10 18 20 9  
Letters: H A S N O F E E T

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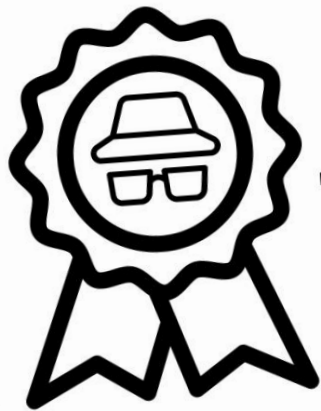
A = 🐱 B = 🐶 C = 🐭 D = 🐹 E = 🐰 F = 🐇 G = 🐓 H = 🐔 I = 🐛 J = 🐷 K = 🐘 L = 🐙 M = 🐘 N = 🐘 O = 🐘 P = 🐘 Q = 🐘 R = 🐘 S = 🐘 T = 🐘 U = 🐘 V = 🐘 W = 🐘 X = 🐘 Y = 🐘 Z = 🐘

Short & Long Options

# FAST FINISHER ACTIVITY



The Detective Agency sends  
congratulations to:



Lindsay

You solved the mystery!

11/2

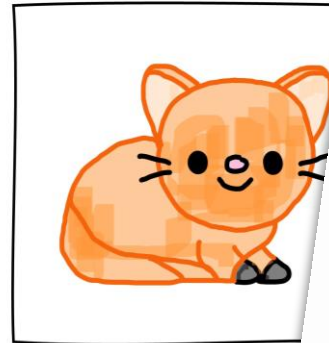
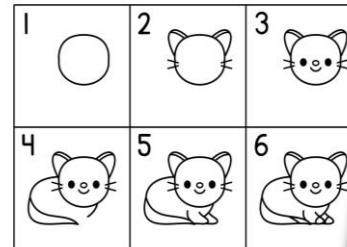
Date

AW

Presented by:

LET'S DRAW...

a cat



THE LIFETIME LEARNER

LET'S DRAW...

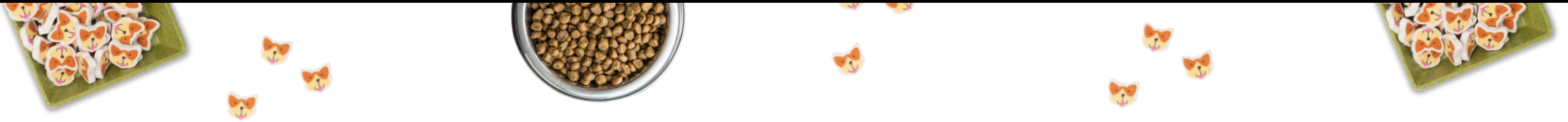
a dog



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
- Fun and Engaging
- Easy to Differentiate
- Encourages Critical Thinking
- Aligns with Math Standards
- Perfect for Review Days

**Clue #4: The Pet Crate**

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

15-9 <del>6</del> G	4-3 <del>1</del> R	10-2 8 B	19-5 14 L	14-7 <del>7</del> P	20-8 <del>12</del> E
8-5 <del>3</del> E	16-6 10 U	17-2 <del>15</del> D	12-7 <del>5</del> I	14-5 <del>9</del> N	13-2 11 E

Cross out the boxes with the following answers:  
**1, 3, 5, 6, 7, 9, 12, 15**  
The letters that are left will reveal a message.

The pet is not:  
blue

THE LIFETIME LEARNER

This can be used in  
partners, small  
groups with the  
teacher, table  
groups, centers, and  
more!



# 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 10.  
Read the words you circled from left to right like a book to solve the clue.

56 ÷ 7 8	5 × 2 10	3 × 3 9	100 ÷ 10 10
1 × 10 10	45 ÷ 5 9	40 ÷ 4 10	9 × 1 9
48 ÷ 6 8	80 ÷ 8 10	4 × 2 8	2 × 5 10









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

**The Detective Agency sends congratulations to:**

 **Lindsay**  
You solved the mystery!

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


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

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

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


**LET'S DRAW... a cat**

1. Circle  
2. Ears  
3. Eyes  
4. Whiskers  
5. Tail  
6. Paws



**LET'S DRAW... a dog**

1. Head  
2. Ears  
3. Eyes  
4. Whiskers  
5. Tail  
6. Paws



**solve the mystery**



**The Case of the New Pet**

# 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: 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.

W	N	E	T
The parrot <u>squawked</u> "hello" to everyone who walked in.	The cat <u>meowed</u> when I pet her back.	The hamster <u>squeaked</u> at us when we poked it.	
O	H	T	I
The lizard <u>hissed</u> very loud with his long tongue.	The bunny <u>hopped</u> up the hill over to its friends.	The fish <u>swam</u> around in circles all day.	The horse <u>stomped</u> on the ground when he was hungry.

The pet you got is:

N	O	T	W	H	I	T	E
squawked	hissed	swam	chased	hopped	stomped	squeaked	meowed

**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.

14	10	6	16	18	12	9	4	20
s: 6	16	14	12	4	10	18	20	9
3+3	12+4	6+8	5+7	3+1	8+2	15+3	10+10	5+4

Answers: H A S N O F E E T

**You did NOT get any pet that...**

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!

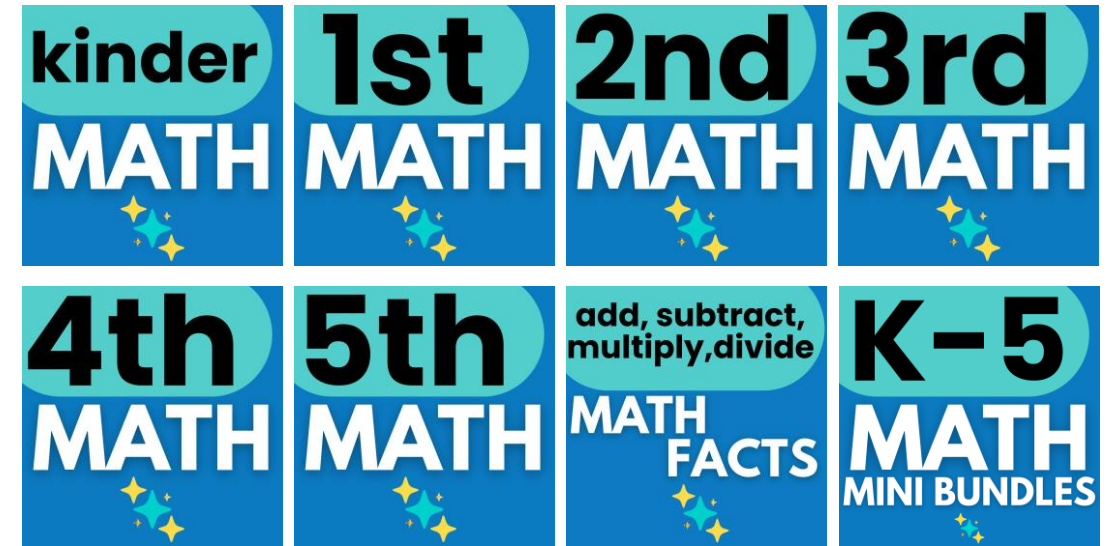
## GRAB A **READING MYSTERY**:

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!**

