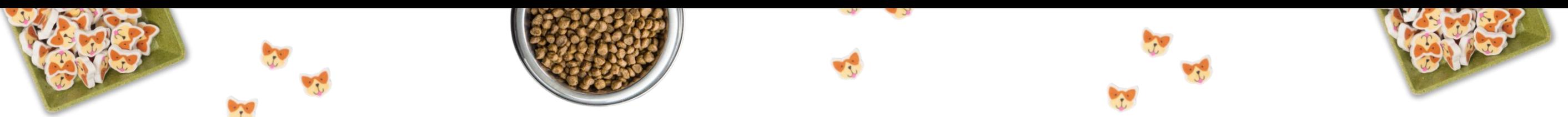


# WHAT IS THIS?



**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.

**Clue #4: The Pet Crate**  
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.

<p>the</p> <p>You have ten pets. You give each pet one treat. How many treats did you give out in all? <math>10 \div 1 = 10</math></p>	<p>dog</p> <p>Each bird has two feet. How many feet do four birds have? <math>2 \times 4 = 8</math></p>	<p>pet</p> <p>The fish tank has 50 fish inside of it. The fish are swimming in groups of 5. How many groups of fish are there? <math>50 \div 5 = 10</math></p>
<p>cat</p> <p>The mouse saw 8 cats. Each cat has 3 large teeth. How many teeth did the cats have altogether? <math>8 \times 3 = 24</math></p>	<p>does</p> <p>63 dogs are waiting for a new owner at the animal shelter. They are divided equally between 7 rooms. How many dogs are in each room? <math>63 \div 7 = 9</math></p>	<p>not</p> <p>18 cars drop off food at the animal shelter. The cars are split equally between 3 lanes. How many cars are in each lane? <math>18 \div 3 = 6</math></p>
<p>says</p> <p>Maria and Jameson both want 5 fish. How many fish will they take home combined? <math>2 \times 5 = 10</math></p>	<p>woof</p> <p>Each dog has four paws. How many paws do three dogs have? <math>4 \times 3 = 12</math></p>	<p>meow</p> <p>There are 70 hermit crabs in the shop. They are split into 7 cages. How many hermit crabs are in each cage? <math>70 \div 7 = 10</math></p>

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.

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

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!



## Clue #1: Descrambler

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

**F**  
The parakeet chirps 3 times per hour. How many times will it chirp in 4 hours?  
 $3 \times 4 = 12$

**T**  
A rabbit, dog, and cat all eat 9 pieces of food. How much did they eat altogether?  
 $3 \times 9 = 27$

**O**  
A turtle travels 5 miles each day. How far did he travel in 8 days?  
 $5 \times 8 = 40$

**N**  
The dogs are sitting in groups of 10. If there are 3 groups of dogs, how many dogs are there in all?  
 $10 \times 3 = 30$

**E**  
There are 6 fish tanks. Each fish tank has 6 fish inside of it. How many fish are there in all?  
 $6 \times 6 = 36$

**E**  
The snake eats 7 rats. Each rat weighs 2 pounds. How many pounds of meat did the snake eat?  
 $7 \times 2 = 14$

Place the correct letter on top of each matching answer.

You did not get a pet that has...

N   O  
30   40

F   E   E   T  
12   14   36   27



## Which Pet Did I Receive?

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

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

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

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**  
The parakeet chirps 3 times per hour. How many times will it chirp in 4 hours?  
 $3 \times 4 = 12$

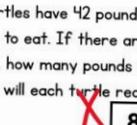
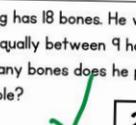
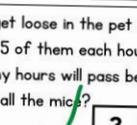
**N**  
The dogs are sitting in groups of 10. If there are 3 groups of dogs, how many dogs are there in all?  
 $10 \times 3 = 30$

Place the correct letter in the box.  
You did not get a pet.

**T**  
A turtle travels 5 miles each day. How many days will it travel in 8 days?

**O**  
You need to fill up 80 dog bowls at the animal shelter with food. If you fill up 10 bowls each hour, how many hours will it take?

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

 There are 81 turtles. They are equally split between 9 tanks. How many turtles are in each tank? ✓ <input type="checkbox"/> 9	 There are 50 dogs at the animal shelter. They are divided between 10 pens. How many dogs are in each pen? ✗ <input type="checkbox"/> 10	 There are 27 mice in the pet shop. They are equally split between 3 cages. How many mice are in each cage? ✓ <input type="checkbox"/> 9
 The turtles have 42 pounds of lettuce to eat. If there are 6 turtles, how many pounds of lettuce will each turtle receive? ✗ <input type="checkbox"/> 8	 The dog has 18 bones. He will split them equally between 9 holes. How many bones does he put in each hole? ✓ <input type="checkbox"/> 2	 15 mice get loose in the pet shop. You find 5 of them each hour. How many hours will pass before you find all the mice? ✓ <input type="checkbox"/> 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.

There are 9 snakes in the store. Each snake has 2 stripes. How many stripes do the snakes have?  
 $9 \times 2 = 18$

You let the dog out to go to the bathroom three times a day. How many times will you let the dog out in three days?  
 $3 \times 3 = 9$

Color the food bowl the correct color.

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

• 1 red bowl  
• 0 blue bowls  
• 1 green bowl  
• 2 yellow bowls  
Cross out pets with 6 letters in their name.

- Multiplication & Division Word Problems
- 1-Step Word Problems
- Real-Life Mathematics
- Pet-Themed
- Error Analysis Practice

**All clues focus on word problems!**

# MULTIPLE VERSIONS



**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. Each cat meows 8 times. How many times did the cats meow in all?  
 $7 \times 8 = 56$

You need to fill up 80 dog bowls of the animal shelter with food. If you fill up 10 bowls each hour, how many hours will it take you to fill them all up?  
 $80 \div 10 = 8$

There are 9 snakes in the store. Each snake has 2 stripes. How many stripes do the snakes have combined?  
 $2 \times 9 = 18$

You let the dog out to go to the bathroom three times a day. How many times will you let the dog out in three days?  
 $3 \times 3 = 9$

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

**3 Clue Version**

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

Cross out pets with 3 letters in their name.

• 1 blue bowl  
• 0 green bowls  
• 1 yellow bowls

Cross out pets with 4 letters in their name.

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

Cross out pets with 5 letters in their name.

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

Cross out pets with 6 letters in their name.

**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.

**Clue #4: The Pet Crate**  
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.

the dog pet

You have ten pets. You give each pet one treat. How many treats did you give out in all?  
 $10 \div 1 = 10$

Each bird has two feet. How many feet do four birds have?  
 $2 \times 4 = 8$

The fish tank has 50 fish inside of it. The fish are swimming in groups of 5. How many groups of fish are there?  
 $50 \div 5 = 10$

not

The mouse saw 9 large teeth. How many cats have all those teeth?  
 $9 \times 3 = 27$

Maria and James combined? How many hermit crabs are in each cage?  
 $2 \times 5 = 10$

$4 \times 3 = 12$

$70 \div 7 = 10$

meow

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

The pet says meow

## Print & Digital Forms

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

**F** The parakeet chirps 3 times per hour. How many times will it chirp in 4 hours?  
 $3 \times 4 = 12$

**T** A rabbit, dog, and cat all eat 9 pieces of food. How much did they eat altogether?  
 $3 \times 9 = 27$

**O** A turtle travels 5 miles each day. How far did he travel in 8 days?  
 $5 \times 8 = 40$

**N** The dogs are sitting in groups of 10. If there are 3 groups of dogs, how many dogs are there in all?  
 $10 \times 3 = 30$

**E** There are 6 fish tanks. Each fish tank has 6 fish inside of it. How many fish are there in all?  
 $6 \times 6 = 36$

**E** The snake eats 7 rats. Each rat weighs 2 pounds. How much of meat did the snake eat?  
 $7 \times 2 = 14$

Place the correct letter on top of each matching answer.

You did not get a pet that has...

N O F E T

30 40 12 H 36 27

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

**F** The parakeet chirps 3 times per hour. How many times will it chirp in 4 hours?  
12

**T** A rabbit, dog, and cat all eat 9 pieces of food. How much did they eat altogether?  
27

**O** A turtle travels 5 miles each day. How far did he travel in 8 days?  
40

**N** The dogs are sitting in groups of 10. If there are 3 groups of dogs, how many dogs are there in all?  
30

**E** There are 6 fish tanks. Each fish tank has 6 fish inside of it. How many fish are there in all?  
36

**E** The snake eats 7 rats. Each rat weighs 2 pounds. How many pounds of meat did the snake eat?  
14

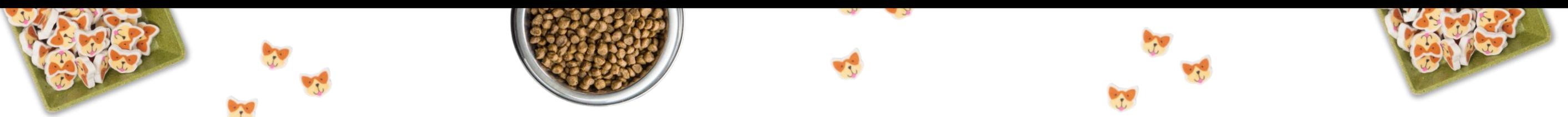
Place the correct letter on top of each matching answer.

You did not get a pet that has...

30 40 F 36 27

## Short & Long Options

# 2 MATH FACT OPTIONS!



### Which Pet Did I Receive?

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

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

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:  $6 \div 3 = 2$ ,  $16 \div 4 = 4$ ,  $14 \div 7 = 2$ ,  $12 \div 3 = 4$ ,  $4 \div 1 = 4$ ,  $10 \div 2 = 5$ ,  $18 \div 3 = 6$ ,  $20 \div 4 = 5$

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.

### Clue #2: Error Analysis

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

  $17 - 8 = 9$  ✓  $9 - 5 = 5$  ✗  $13 - 8 = 5$  ✓  $4 - 1 = 3$  ✓  $18 - 6 = 12$  ✓

  $9 - 7 = 3$  ✗  $15 - 8 = 7$  ✓  $4 - 1 = 3$  ✓

  $12 - 5 = 7$  ✓  $6 - 3 = 3$  ✓

### Clue #3: Detective Report

There were  $5 + 6 = 11$  animals in the pet shop. Today,  $2 + 1 = 3$  dogs were adopted by families.  $4 + 4 = 8$  cats were also adopted. However, when the manager was making sure every pet was in their crate for the night, he realized  $11 - 7 = 4$  rabbits were missing! He checked all over the store, including  $8 + 7 = 15$  rabbit cages. When he couldn't find them, he called  $3 + 7 = 10$  workers to help him search. Everyone looked for the missing rabbits and found  $1 + 5 = 6$  of them hiding behind the fish tanks. They found  $14 + 3 = 17$  more hiding in the snake cages. As the night passed, only  $4 + 12 = 16$  more rabbits were found. But in the morning,  $4 \div 3 = 1$  little kids found the other rabbits hiding near the dog cages.

They all decided to adopt them.

The animal's name does not have:

T=3	X=11
L=6	E=17
S=13	I=8
	R=10
	E=16

### Clue #4: The Pet Crate

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

$11 \div 7 = 2$	$63 \div 9 = 7$	$50 \div 5 = 10$	$72 \div 9 = 8$	$16 \div 8 = 2$	$27 \div 9 = 3$
G	R	B	L	P	E
$32 \div 8 = 4$	$42 \div 7 = 6$	$56 \div 8 = 7$	$8 \div 8 = 1$	$90 \div 10 = 9$	$25 \div 5 = 5$
E	U	D	I	N	E

Cross out the boxes with the following answers: **1, 2, 3, 4, 7, 9**

The letters that are left will reveal a message.

The pet is not: blue.

### 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.

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

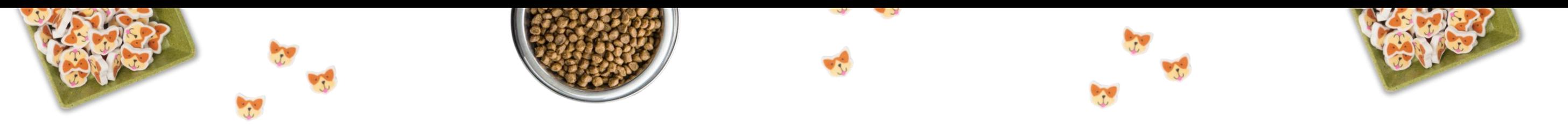
Write the phrase on the line. Cross the wrong pet off your list. You should know the final answer!

The pet you get says meow

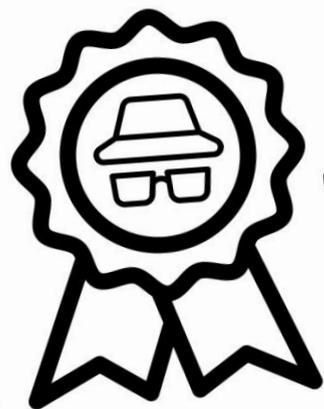
Same clues. Same mystery. Different math!

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

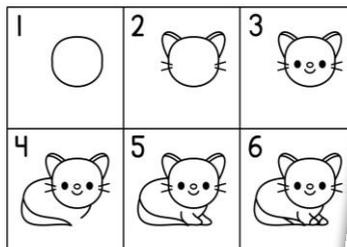
You solved the mystery!

11/2  
Date

AW  
Presented by:

LET'S DRAW...

a cat



THE LIFETIME LEARNER

LET'S DRAW...

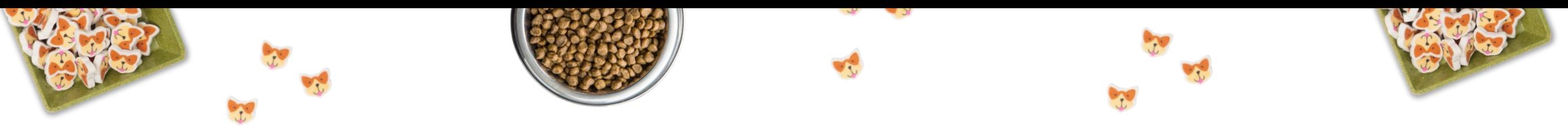
a dog



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
- Extra Math Facts Mystery
- 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.

<p>There are 3 rows of dog treats. Each row has 8 dog treats in it. How many treats are there for the dogs total?</p> <p><del><math>3 \times 8 = 24</math></del> <b>blue</b></p>	<p>The rabbit hops 4 times. Each time he hops, he moves forward 4 feet. How far did he hop in all?</p> <p><del><math>4 \times 4 = 16</math></del> <b>brown</b></p>	<p>The bird eats 5 times a day. Each time you feed him, you give him 3 pellets. How much food did you give him altogether?</p> <p><del><math>5 \times 3 = 15</math></del> <b>white</b></p>
<p>There are 72 mice in a cage. They are sleeping in groups of 8. How many groups are there?</p> <p><del><math>72 \div 8 = 9</math></del> <b>white</b></p>	<p>You see 40 paw prints on the floor. You clean up 5 each minute. How many minutes will it take to clean them all up?</p> <p><del><math>40 \div 5 = 8</math></del> <b>blue</b></p>	<p>The water bottle in the cage holds 100 drops of water. If the hamster drinks 10 ounces each hour, how long will it take him to empty the water bottle?</p> <p><del><math>100 - 10 = 90</math></del> <b>brown</b></p>

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

In 3<sup>rd</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**  
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.

<b>the</b> You have ten pets. You give each pet one treat. How many treats did you give out in all? $10 \div 1 = 10$	<b>dog</b> Each bird has two feet. How many feet do four birds have? $2 \times 4 = 8$	<b>pet</b> $50 \div 5 = 10$ The fish tank has 50 fish inside of it. The fish are swimming in groups of 5. How many groups of fish are there?
<b>cat</b> The mouse saw 8 cats. Each cat has 3 large teeth. How many teeth did the cats have altogether? $8 \times 3 = 24$	<b>does</b> $63 \div 7 = 9$ 63 dogs are waiting for a new owner at the animal shelter. They are divided equally between 7 rooms. How many dogs are in each room?	<b>not</b> $18 \div 3 = 6$ 18 cars drop off food at the animal shelter. The cars are split equally between 3 lanes. How many cars are in each lane?
<b>says</b> Mario and Jameson both want 5 fish. How many fish will they take home combined? $2 \times 5 = 10$	<b>woof</b> Each dog has four paws. How many paws do three dogs have? $4 \times 3 = 12$	<b>meow</b> There are 70 hermit crabs in the shop. They are split into 7 cages. How many hermit crabs are in each cage? $70 \div 7 = 10$

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 SW Presented by:

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

1  2  3   
4  5  6 



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

1  2  3   
4  5  6 



**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 paws.</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: \_\_\_\_\_

**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

**Clue #1: Pick Between ? ! .**  
What punctuation mark goes at the end of each sentence? Choose the answer and write that letter on the line at the bottom. When the letters are unscrambled, they will make up the clue.

4. I can't believe my rabbit can jump that high. ?=A !=O .=E  
2. My cat likes warm milk. ?=T !=R .=H  
8. Watch out for the barking dog. ?=T !=E .=H  
6. Where is the snake hiding? ?=I !=A .=O  
5. The goldfish swims in the tank. ?=T !=J .=N  
7. Can we take the puppy for a walk? ?=T !=R .=G  
3. Who wants to play with the gerbil? ?=T !=W .=P

The pet you got is:  
N O T W H I T E  
1 2 3 4 5 6 7 8

Example of Clue 1

Math

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

F: The parakeet chirps 3 times per hour. How many times will it chirp in 4 hours?  $3 \times 4 = 12$   
T: A rabbit, dog, and cat all eat 9 pieces of food. How much did they eat altogether?  $3 \times 9 = 27$   
O: A turtle travels 5 miles each day. How far did he travel in 8 days?  $5 \times 8 = 40$   
N: There are 6 fish tanks. Each fish tank has 6 fish inside of it. How many fish are there in all?  $6 \times 6 = 36$   
E: The snake eats 7 rats. Each rat weighs 2 pounds. How many pounds of meat did the snake eat?  $7 \times 2 = 14$

Place the correct letter on top of each matching answer.  
You did not get a pet that has...  
N O F E E T  
30 40 12 4 36 27

# 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!

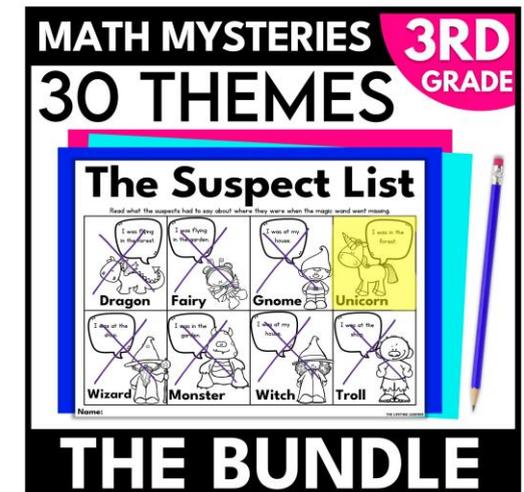


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