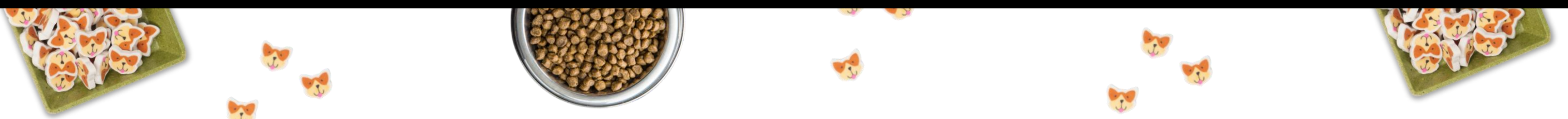


WHAT IS THIS?



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

Clue #3: Detective Report
There were $[(4 \times 8) \div 2] + 52$ animals in the pet shop. Today, $85 - (9 \times 9) + 27$ dogs were adopted by families. $[(72 \div 8) \times 6] + 48$ guinea pigs were also adopted. However, when the manager was making sure every pet was in their crate for the night, he realized $55 - (6 \times 7)$ cages. When he went to check on the missing rabbit near the snake and they all did $54 + (99 - 9) \times 2$ lit and they all did $68 - (144 \div 6)$ lit.

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

$[(5 \times 5) - 2] \times 4$	$4 \times (8 \div 3) + 1$	$(90 \div 9) + 1$	$10 \times [55 \div 5] - 1$	$(108 \div 9) \times 2$	$[(10 \times 7) \div 5] + 1$
-------------------------------	---------------------------	-------------------	-----------------------------	-------------------------	------------------------------

Clue #5: Circle It!
Solve each question. Write the answer. Circle the boxes that equal 32. Read the words you circled from left to right like a book to solve the clue.

tail $[(4 \times 4) \div 2] + 22$ 30	the $[40 - (5 \times 2)] \div (1 \times 2)$ 32	dog $(12 \times 5) - (24 \div 3)$ 33	pet $(48 \div 12) \times (4 \times 2)$ 32
you $[10 + (3 \times 9) - 8] \div 3$ 32	cat $[5 + (3 \times 4) - 7] \times 3$ 30	get $[(16 - 4) + (9 \times 2)] \div 2$ 32	does $[5 \times (12 \div 4) + 19] - 3$ 31
not $45 - (5 \times 4) + 8$ 33	says $(110 \div 10) + (7 \times 3)$ 32	woof $[40 + (1 \times 2)] - (4 \times 2)$ 34	meow $100 - (9 \times 8) + 4$ 32

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

THE LIFETIME LEARNER

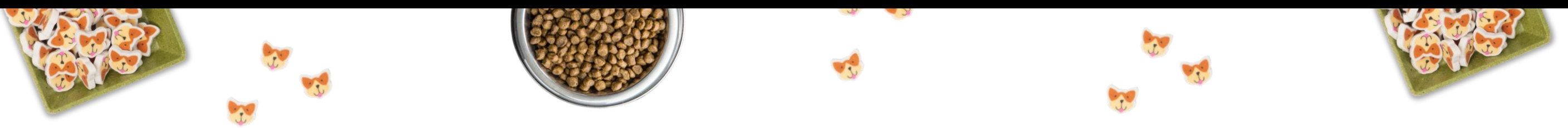
Which Pet Did I Receive?
Read the facts about each animal to help you solve the clues.

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

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: 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.



32 7 144 39 138 112 264 10 270

Answers: 144 39 32 112 10 7 138 270 264
 $(8 \div 2)$ (7×7) $(48 \div 6)$ $(100 - 30)$ (9×10) $(25 \div 17)$ (11×6) $(81 \div 9)$ $(121 \div 11)$
 $\times(4 \times 4)$ (5×2) $\times(12 \div 3)$ $\div(6 \times 7)$ $\div(3 \times 3)$ $\div(14 - 8)$ (8×9) $\times(5 \times 6)$ $\times(45 - 2)$

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 =	

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



32 7 144

Answers: $\frac{144}{(8 \div 2) \times (4 \times 9)}$ $\frac{39}{(7 \times 7) - (5 \times 2)}$ $\frac{3}{(4 \times 9) \times (5 \times 2)}$

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 #3: Detective Report

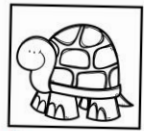
52 ~~68~~ animals in the pet shop. Today, $85 - (9 \times 9) + 27$ 31 dogs were adopted by families. 102 $[(72 \div 8) \times 6] + 48$

They found $63 \div (3 \times 3) + 135$ 142 more hiding

ere found. But in the morning,
T=31 X=68
L=98 E=142
S=130 I=102
T=120 R=88
S=159 E=144

Clue #2: Error Analysis

Check each pet's work.
Put a check or an X next to the last number.



- $(8 \times 9) - (30 \div 3) = 62$
- $55 + (34 \times 2) - 18 = 105$
- $[(6 \times 7) \div 2] + 74 = 96$
- $(144 \div 2) - (16 \times 2) = 40$
- $68 - (10 \times 3) + 55 = 92$



- $(132 \div 11) \times (25 \div 5) = 70$
- $[(7 \times 8) \times 3] - 37 = 131$
- $86 - (90 \div 9) \times 4 = 305$
- $(63 \div 7) \times (18 + 24) = 378$
- $[(9 \times 9) \div 3] + 79 = 107$



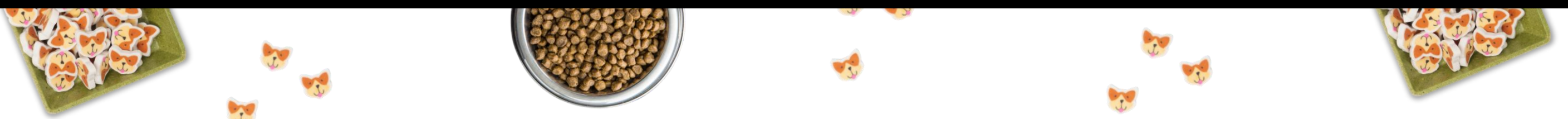
- $(8 \times 6) + (20 \times 2) = 88$
- $(99 \div 9) \times (5 \times 3) = 165$
- $[(7 \times 4) \div 2] + 63 = 77$
- $97 - (8 \times 2) + 24 = 104$
- $[(38 + 17) - 10] \div 5 = 9$

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

- Order of Operations
- Solving with Parenthesis and Brackets
- Real-Life Mathematics
- Pet-Themed
- Error Analysis Practice

All clues focus on reviewing order of operations!

MULTIPLE VERSIONS



Print & Digital Forms

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

Clue #3: Detective Report
There were $[(4 \times 8) \div 2] + 52$ animals in the pet shop. Today, $85 - (9 \times 9) + 27$ dogs were adopted by families. $[(72 \div 8) \times 6] + 48$ guinea pigs were also adopted. However, when the manager was making sure every pet was in their crate for the night, he realized $100 + (3 \times 12) - 16$ rabbits were missing! He checked all over the store, including $[(19 - 7) \times 10] + 39$ rabbit cages. When he counted $68 - (5 \times 12) \times 11$ for the missing rabbits and 142 more hiding near the snake cages. $54 + (99 \div 9) \times 2$ little kittens were playing. and they all decided to go home. 130 = 68
 142 = 142

3 Clue Version

The animal's name does not have:
S I X LETTERS
S=130 I=102
T=120 R=88
S=159 E=144

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

Clue #3: Detective Report
There were $[(4 \times 8) \div 2] + 52$ animals in the pet shop. Today, $85 - (9 \times 9) + 27$ dogs were adopted by families. $[(72 \div 8) \times 6] + 48$ guinea pigs were also adopted. However, when the manager was making sure every pet was in their crate for the night, he realized $100 + (3 \times 12) - 16$ rabbits were missing! He checked all over the store, including $[(19 - 7) \times 10] + 39$ rabbit cages. When he counted $68 - (5 \times 12) \times 11$ for the missing rabbits and 142 more hiding near the snake cages. $54 + (99 \div 9) \times 2$ little kittens were playing. and they all decided to go home. 130 = 68
 142 = 142

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

Clue #5: Circle It!
Solve each question. Write the answer. Circle the boxes that equal 32.
Read the words you circled from left to right like a book to solve the clue.

tail $[(4 \times 4) \div 2] + 22$ 30	the $[40 - (5 \times 2)] + (1 \times 2)$ 32	dog $(12 \times 5) - (24 \div 3)$ 33	pet $(48 \div 12) \times (4 \times 2)$ 32
$[10 + (3 \times 9)]$ 32	$2 \div 4 + 9 - 3$ 31	$45 - (5 \times 4)$ 33	$0 - (9 \times 8) + 4$ 32

meow
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.

32 7 144 39 138 112 264 10 270

Answers: 144 39 32 112 10 7 138 270 10

Letters: H A S N O F E E

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 = 🐱	

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.

32 7 144 39 138 112 264 10 270

Answers: 144

Letters: H

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 = 🐱	

Short & Long Options

2 MATH FACT OPTIONS!

Which Pet Did I Receive?

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

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

Clue #2: Error Analysis

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

$17-8=9$
 $13-8=5$
 $4-1=3$
 $18-6=12$
 $12-5=7$
 $9-5=5$
 $15-8=7$
 $6-3=3$
 $9-7=3$

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 $11+7=18$ 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, $4 \div 3$ little kids found the other rabbits hiding near the dog cages.

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 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.

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

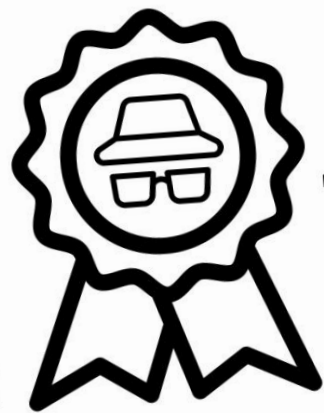
Same clues. Same mystery. Different math!

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

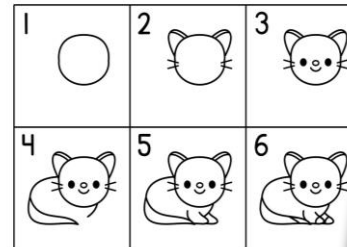
Date

AW

Presented by:

LET'S DRAW...

a cat



THE LIFETIME LEARNER

LET'S DRAW...

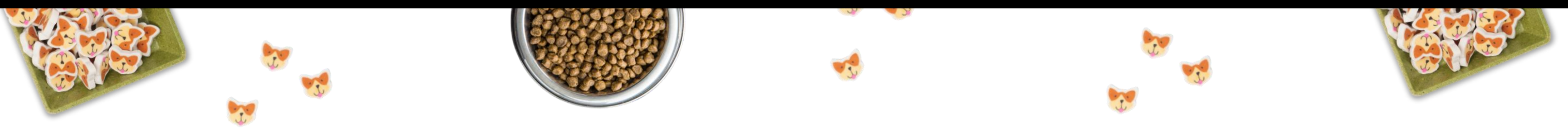
a dog




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 

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

$\frac{(5 \times 5) - (2 \times 2 \times 2) \times 5}{85}$ G 85	$\frac{4 \times (8 \times 3) + (20 - 6) \times 58}{168}$ R 168	$\frac{(90 \div 9) + (56 \div 7)}{18}$ B 18	$\frac{10 \times [55 \div 5] - (12 \times 4)}{62}$ L 62	$\frac{(108 \div 9) \times (5 \times 3)}{180}$ P 180	$\frac{[(10 \cdot 7) \div 5] + 8}{96}$ E 96
$\frac{110 - (4 \times 7) + 56}{134}$ E 134	$\frac{[(8 \times 9) - (3 \times 2 \times 7)] \times 7}{210}$ U 210	$\frac{[10 \times (3 \times 2)] + (6 \times 9)}{114}$ D 114	$\frac{(11 \times 8) + (3 \times 1)}{91}$ I 91	$\frac{9 \times (6 \times 5) + (10 - 6) \div 4}{278}$ N 278	$\frac{(10 \times 2) + (64 \div 8)}{28}$ E 28

Cross out the boxes with the following answers:
85, 168, 278, 180, 134, 96, 114, 91

The letters that are left will reveal a message.

The pet is not: blue

THE LIFETIME LEARNER

In 5th 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. Write the answer. Circle the boxes that equal 32.
Read the words you circled from left to right like a book to solve the clue.

tail [(4x4)÷2]+22 30	the [40-(5x2)]+(1x2) 32	dog (12x5)-(24+3) 33	pet (48÷12)x(4x2) 32
you [10+(3x4)-8]÷3 32	cat [5+(3x4)-7]x3 30	get [(16-4)+(9x2)]÷2 32	does [5x(12÷4)+9]-3 31
not 45-(5x4)+8 33	says (110÷10)+(7x3) 32	woof [40+(1x2)]-(4x2) 34	meow 100-(9x8)+4 32

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:


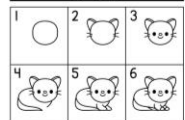


Lindsay



You solved the mystery!

11/2 Date SW Presented by:









LET'S DRAW...
a cat



LET'S DRAW...
a dog




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

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

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: 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 parrot squawked "hello" to everyone who walked in.

The cat meowed when I pet her back.

The hamster squeaked at us when we poked it.

The lizard hissed very loud with his long tongue.

The bunny hopped up the hill over to its friends.

The fish swam around in circles all day.

The horse stomped 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

Example of Clue 1

Math

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.

32 7 144 39 138 112 264 10 270

is: 144 39 32 112 10 7 138 270 264

(8 ÷ 2) (7 × 7) (48 ÷ 6) (100 - 30) (9 × 10) (25 ÷ 17) (11 × 6) (81 ÷ 9) (121 ÷ 11)

x(4 × 9) (5 × 2) x(12 ÷ 3) +(6 × 7) ÷(3 × 3) ÷(14 - 8) (8 × 9) x(5 × 6) x(45 - 21)

is: H A S N O F E E T

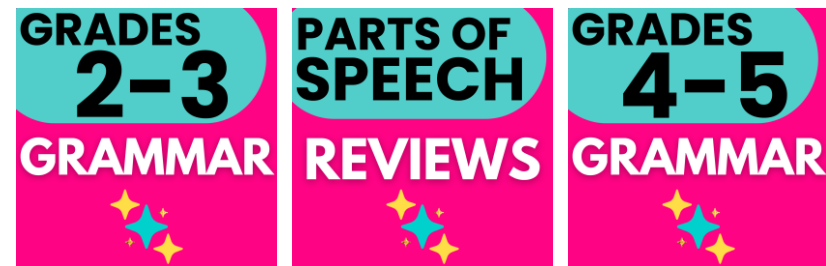
You did NOT get any pet that... Use this decoder to help you figure out what letter is equal to each picture.

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!

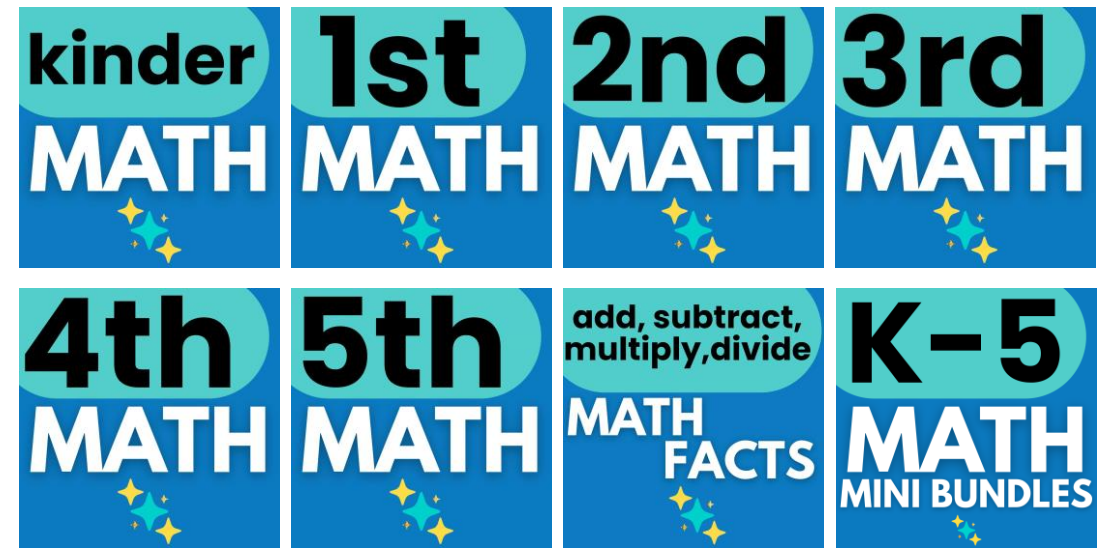
GRAB A **READING MYSTERY**:

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!**

