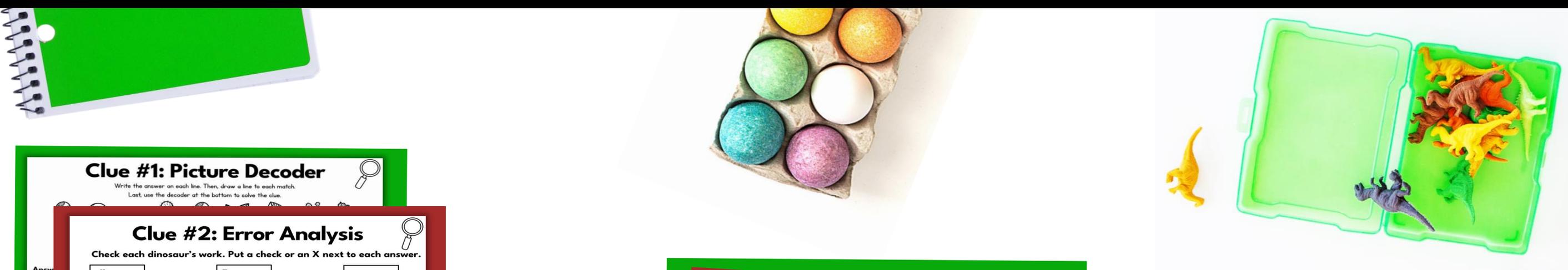


# WHAT IS THIS?



**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 dinosaur's work. Put a check or an X next to each answer.

**Clue #3: The Nest**  
First, write the answer on each egg in the nest. Then, read what to do in the box at the bottom.

21,293	63,457	14,555	29,361	66,129	81,405
+78,107	+24,866	+73,249	+54,288	+28,324	+12,384

**Clue #4: Color the Dinosaur**  
Solve each question. Circle the right answer and color in the picture. Then read the bottom.

$32,152 - 3,586 = 28,566$	$79,323 - 8,215 = 71,108$	$46,122 - 2,498 = 43,624$
A. 42,738 - red spots	A. 86,538 - red body	A. 47,530 - red head spikes
B. 48,739 - blue spots	B. 86,538 - blue body	B. 48,503 - blue head spikes
C. 48,638 - yellow spots	C. 87,583 - yellow body	C. 48,530 - yellow head spikes
D. 48,738 - green spots		

**Clue #5: Descrambler**  
Solve each question. When the letters are unscrambled, they will make up the clue.

$44,444 + 44,444 = 88,888$	$52,525 + 25,252 = 77,777$	$23,323 + 32,322 = 55,555$	$12,121 + 21,212 = 33,333$	$11,111 + 11,111 = 22,222$
$72,727 + 27,272 = 99,999$	$32,323 + 32,323 = 64,646$	$12,222 + 22,221 = 34,443$	$13,131 + 31,313 = 44,444$	$25,552 + 52,252 = 77,804$

The dinosaur missing an egg:  
**D O E S N O T F L Y**

**solve the mystery**

**The Case of the Missing Dino Egg**

THE LIFETIME LEARNER

**Who Does the Egg Belong to?**  
Solve the clues to figure out which dinosaur the egg belongs to.

<del><input type="checkbox"/> I'm a herbivore. Pachycephalosaur</del>	<del><input type="checkbox"/> I'm a carnivore. Pterodactyl</del>	<del><input type="checkbox"/> I'm a herbivore. Pachycephalosaur</del>	<del><input type="checkbox"/> I'm an omnivore. Oviraptor</del>
<input checked="" type="checkbox"/> I'm a carnivore. T-Rex	<del><input type="checkbox"/> I'm a carnivore. Spinosaurus</del>	<del><input type="checkbox"/> I'm a herbivore. Brontosaurus</del>	<del><input type="checkbox"/> I'm a herbivore. Triceratops</del>

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

Students complete a series of clues to figure out who the egg belongs to!

# HOW TO PLAY



## What Happened?

An egg fell out of its nest. Your mission is to figure out which dinosaur the egg belongs to so you can put the egg back in the correct nest. Solve the clues to figure out what dinosaur the egg belongs to and solve the mystery!

1. Take a dinosaur list and then start solving each clue.
2. Each time you solve a clue, you will get closer to discovering which dinosaur the egg belongs to.
3. Cross out wrong dinosaurs 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.



689   749   597   553   622   708   671   741   759

Answers: 622   597   741   671   749   689   553   759   708

$345 \div 277$     $268 \div 329$     $397 \div 344$     $405 \div 266$     $171 \div 578$     $521 \div 68$     $345 \div 208$     $132 \div 627$     $296 \div 412$

Letters: D M N I V O R E S

The egg does not belong to any:

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

## Who Does the Egg Belong to?

Solve the clues to figure out which dinosaur the egg belongs to.

<del>I'm a herbivore.</del>  Parasaurolophus	<del>I'm a carnivore.</del>  Pterodactyl	<del>I'm a herbivore.</del>  Pachycephalosaurus	<del>I'm an omnivore.</del>  Oviraptor
<b>I'm a carnivore.</b>  T-Rex	<del>I'm a carnivore.</del>  Spinosaurus	<del>I'm a herbivore.</del>  Brontosaurus	<del>I'm a herbivore.</del>  Triceratops

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

THE LIFETIME LEARNER

Each time students solve a clue, it will reveal what dinosaur to cross out. When all clues are completed, the mystery of the dinosaur egg will be solved!

# SKILL PRACTICE

## Option #1: Add to 100,000

- Add 3 digit + 3 digit
- Add 4 digit + 5 digit
- Add 4 digit + 4 digit
- Add 5 digit + 5 digit

## Option #2: Subtract to 100,000

- 3 digit subtraction
- Subtract with zeroes
- 4 digit - 3 digit subtraction
- Subtract with multiple zeroes
- 5 digit - 5 digit subtraction

## Option #3: Add & Subtract to 100,000

- 5 digit + 5 digit
- 5 digit - 5 digit
- 4 digit + 5 digit
- 4 digit - 3 digit
- 4 digit + 4 digit
- 3 digit - 3 digit
- 3 digit + 3 digit

The image shows three overlapping worksheets. The top-left worksheet is titled 'Clue #1: Picture Decoder' and features a grid of pictures (mushroom, sun, leaf, etc.) and a decoder key with letters D and M. The top-right worksheet is titled 'Clue #3: The Nest' and shows several addition problems with handwritten answers and checkmarks or X's. The bottom worksheet is titled 'Clue #2: Error Analysis' and features three dinosaur illustrations with columns of addition problems, each with a checkmark or X indicating correctness. A note at the bottom states: 'The dinosaur with the most correct answers is not the dinosaur missing an egg.'

**All clues focus on reviewing addition & subtraction.**

# 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 dinosaur's work. Put a check or an X next to each answer.

**Clue #3: The Nest**  
First, write the answer on each egg in the nest.  
Then, read what to do in the box at the bottom.

**3 Clue Version**

Cross out the boxes with the following answers:  
92739, 87804, 99386, 58562, 99400,  
96455, 93789, 49932, 83645

The dinosaur walks on two legs.

**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 dinosaur's work. Put a check or an X next to each answer.

**Clue #3: The Nest**  
First, write the answer on each egg in the nest.  
Then, read what to do in the box at the bottom.

**Clue #4: Color the Dinosaur**  
Solve each question. Circle the right answer and color in the picture.

**Clue #5: Descrambler**  
Solve each question. When the letters are unscrambled, they will make up the clue.

**5 Clue Version**

The dinosaur missing an egg:  
D O E S N O T F L Y

**Clue #5: Descrambler**  
Solve each question. When the letters are unscrambled, they will make up the clue.

Y	D	T	L	O
44,444 +44,444 88,888	52,525 +25,252 77,777	23,323 +32,232 55,555	12,121 +21,212 33,333	
O	N	E	S	
72,727 +27,272 99,999	32,323 +32,323 64,646	12,222 +22,221 34,443	13,131 +31,313 44,444	

The dinosaur missing an egg:  
D O E S N O T F L Y

**Clue #5: Descrambler**  
Solve each question. When the letters are unscrambled, they will make up the clue.

Y	D	T	L	O
44,444 +44,444 88,888	52,525 +25,252	23,323 +32,232	12,121 +21,212	11,111 +11,111
O	N	E	S	F
72,727 +27,272	32,323 +32,323	12,222 +22,221	13,131 +31,313	25,552 +52,252

The dinosaur missing an egg:  
D O E S N O T F L Y

Short & Long Options

# 2 MATH FACT OPTIONS!



### Who Does the Egg Belong to?

Solve the clues to figure out which dinosaur the egg belongs to.

<del>I'm a herbivore.</del>  Parasaurolophus	<del>I'm a carnivore.</del>  Pterodactyl	<del>I'm a herbivore.</del>  Pachycephalosaur	<del>I'm an omnivore.</del>  Oviraptor
I'm a carnivore.  T-Rex	<del>I'm a carnivore.</del>  Spinosaurus	<del>I'm a herbivore.</del>  Brontosaurus	<del>I'm a herbivore.</del>  Triceratops

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.

 15   
  16   
  13   
  7   
  20   
  10   
  6   
  14

Answers:  $\frac{15}{5}=3$      $\frac{16}{8}=2$      $\frac{13}{7}=1$      $\frac{7}{7}=1$      $\frac{20}{10}=2$      $\frac{10}{5}=2$      $\frac{6}{3}=2$      $\frac{14}{7}=2$

Letters: \_\_\_\_\_

The egg does not belong to any:  
Use this decoder to help you figure out what letter is equal to each picture.

### Clue #2: Error Analysis

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

		
<input type="checkbox"/> $15-4=11$	<input type="checkbox"/> $10-6=4$	<input type="checkbox"/> $18-9=9$
<input type="checkbox"/> $8-5=3$	<input type="checkbox"/> $12-3=9$	<input type="checkbox"/> $14-6=7$
<input type="checkbox"/> $7-1=8$	<input type="checkbox"/> $2-1=0$	<input type="checkbox"/> $9-2=5$
<input type="checkbox"/> $6-2=4$	<input type="checkbox"/> $13-4=9$	

### Clue #4: Color the Dinosaur

Solve each question. Circle the right answer and color in the picture. Then read the bottom.

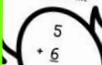
 $\frac{63}{9}$	 $\frac{72}{8}$	 $\frac{16}{4}$
A. 4 - red spots B. 5 - blue spots C. 6 - yellow spots D. 7 - green spots	A. 6 - red body B. 7 - blue body C. 8 - yellow body D. 9 - green body	A. 1 - red head spikes B. 2 - blue head spikes C. 4 - yellow head spikes D. 5 - green head spikes
 $\frac{50}{5}$	 $\frac{24}{8}$	 $\frac{35}{5}$
A. 8 - red leaves B. 10 - blue leaves C. 9 - yellow leaves D. 8 - green leaves	A. 4 - red rock B. 3 - blue rock C. 2 - yellow rock D. 8 - green rock	A. 7 - red eggs B. 6 - blue eggs C. 8 - yellow eggs D. 5 - green eggs

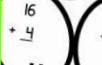
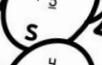
Choose the key below that matches how you colored the picture of the dinosaur.

Cross out the <u>incorrect</u> if the dinosaur has: Green spots Green body Yellow head spikes Blue leaves Red rock Blue eggs	Cross out the <u>incorrect</u> if the dinosaur has: Green spots Green body Yellow head spikes Blue leaves Blue rock Red eggs	Cross out the <u>incorrect</u> if the dinosaur has: Green spots Green body Blue head spikes Yellow leaves Blue rock Red eggs	Cross out the <u>incorrect</u> if the dinosaur has: Yellow spots Green body Green head spikes Blue leaves Blue rock Red eggs
--	--	--	--

### Clue #3: The Nest

First, write the answer on each egg in the nest. Then, read what to do in the box at the bottom.

  $\frac{5}{5}+6$    
   $\frac{5}{5}+10$    
   $\frac{4}{4}+12$    
   $\frac{7}{7}+3$    
   $\frac{13}{13}+4$    
   $\frac{8}{8}+5$

  $\frac{16}{4}+4$    
   $\frac{2}{2}+6$    
   $\frac{12}{12}+2$    
   $\frac{4}{4}+7$    
   $\frac{6}{6}+13$    
   $\frac{4}{4}+1$

out the boxes with the...

### Clue #5: Descrambler

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

 $\frac{4}{4} \times 4$	 $\frac{9}{9} \times 7$	 $\frac{3}{3} \times 5$	 $\frac{6}{6} \times 2$	 $\frac{10}{10} \times 8$
 $\frac{9}{9} \times 4$	 $\frac{4}{4} \times 6$	 $\frac{8}{8} \times 7$	 $\frac{3}{3} \times 7$	 $\frac{5}{5} \times 9$

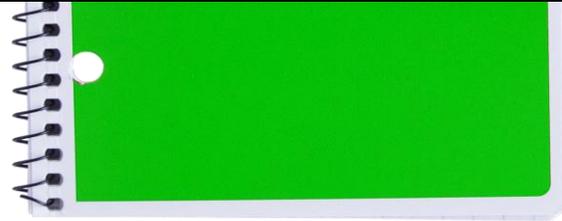
The dinosaur missing an egg:

63    36    56    21    24    80    15    45    12    16

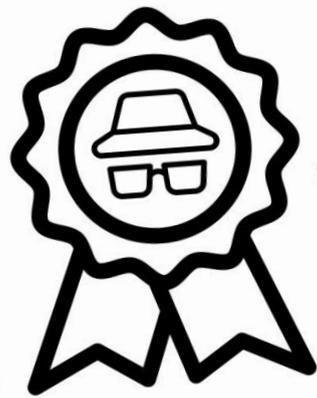
Same clues. Same mystery. Different math!

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!

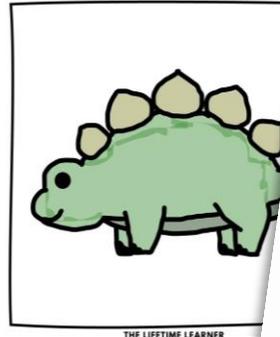
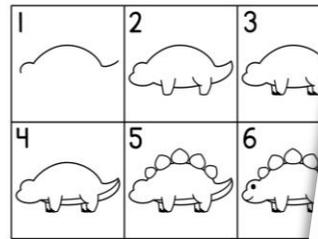
11/2  
Date

AW  
Presented by:

THE LIFETIME LEARNER

LET'S DRAW...

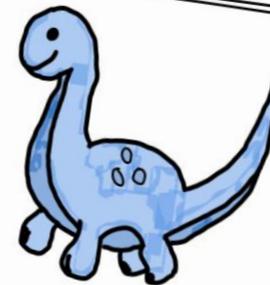
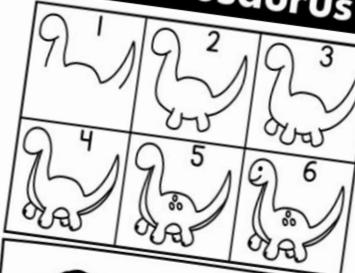
a stegosaurus



THE LIFETIME LEARNER

LET'S DRAW...

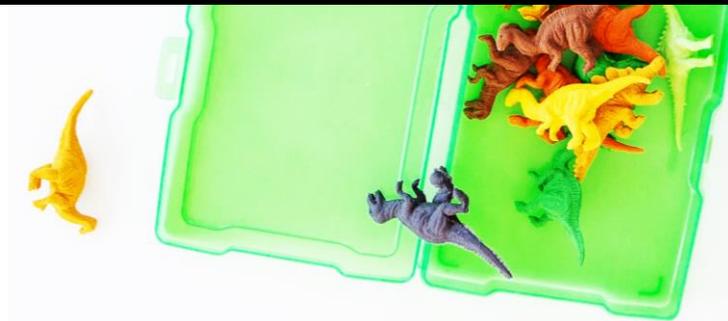
brachiosaurus



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: Color the Dinosaur**

Solve each question. Circle the right answer and color in the picture. Then read the bottom.

$\begin{array}{r} 32,152 \\ + 9,586 \\ \hline 41,738 \end{array}$ <p>A. 42,738 - red spots B. 41,739 - blue spots C. 41,638 - yellow spots D. 41,738 - green spots</p>	$\begin{array}{r} 79,323 \\ + 8,215 \\ \hline 87,538 \end{array}$ <p>A. 86,583 - red body B. 86,538 - blue body C. 87,583 - yellow body D. 87,538 - green body</p>	$\begin{array}{r} 46,122 \\ + 2,408 \\ \hline 48,530 \end{array}$ <p>A. 47,530 - red head spikes B. 48,503 - blue head spikes C. 48,530 - yellow head spikes D. 48,350 - green head spikes</p>
$\begin{array}{r} 67,333 \\ + 6,425 \\ \hline 73,758 \end{array}$ <p>A. 73,785 - red leaves B. 73,758 - blue leaves C. 74,785 - yellow leaves D. 74,758 - green leaves</p>	$\begin{array}{r} 21,049 \\ + 4,296 \\ \hline 25,345 \end{array}$ <p>A. 25,354 - red rock B. 25,345 - blue rock C. 25,435 - yellow rock D. 25,543 - green rock</p>	$\begin{array}{r} 56,240 \\ + 8,327 \\ \hline 64,567 \end{array}$ <p>A. 64,567 - red eggs B. 64,576 - blue eggs C. 64,657 - yellow eggs D. 64,765 - green eggs</p>

Choose the key below that matches how you colored the picture of the dinosaur.

<p>Cross out the <u>sarivores</u> if the dinosaur has:</p> <ul style="list-style-type: none"> <li>Green spots</li> <li>Green body</li> <li>Yellow head spikes</li> <li>Blue leaves</li> <li>Red rock</li> <li>Blue eggs</li> </ul>	<p>Cross out the <u>herbivores</u> if the dinosaur has:</p> <ul style="list-style-type: none"> <li>Green spots</li> <li>Green body</li> <li>Yellow head spikes</li> <li>Blue leaves</li> <li>Blue rock</li> <li>Red eggs</li> </ul>	<p>Cross out the <u>T-Rex</u> if the dinosaur has:</p> <ul style="list-style-type: none"> <li>Green spots</li> <li>Green body</li> <li>Blue head spikes</li> <li>Yellow leaves</li> <li>Blue rock</li> <li>Red eggs</li> </ul>	<p>Cross out the <u>Pterodactyl</u> if the dinosaur has:</p> <ul style="list-style-type: none"> <li>Yellow spots</li> <li>Green body</li> <li>Green head spikes</li> <li>Blue leaves</li> <li>Blue rock</li> <li>Red eggs</li> </ul>
--	---	--	--

In 4<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**  
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 dinosaur's work. Put a check or an X next to each answer.

**Clue #3: The Nest**  
First, write the answer on each egg in the nest. Then, read what to do in the box at the bottom.

**Clue #4: Color the Dinosaur**  
Solve each question. Circle the right answer and color in the picture. Then read the bottom.

**Clue #5: Descrambler**  
Solve each question. When the letters are unscrambled, they will make up the clue.

$\begin{array}{r} 53 \\ - 10 \\ \hline 43 \end{array}$	$\begin{array}{r} 39 \\ - 10 \\ \hline 29 \end{array}$	$\begin{array}{r} 69 \\ - 10 \\ \hline 59 \end{array}$		
$\begin{array}{r} 44,444 \\ + 44,444 \\ \hline 88,888 \end{array}$	$\begin{array}{r} 52,525 \\ + 25,252 \\ \hline 77,777 \end{array}$	$\begin{array}{r} 23,323 \\ + 32,232 \\ \hline 55,555 \end{array}$	$\begin{array}{r} 12,121 \\ + 21,212 \\ \hline 33,333 \end{array}$	$\begin{array}{r} 11,111 \\ + 11,111 \\ \hline 22,222 \end{array}$
$\begin{array}{r} 72,727 \\ + 27,272 \\ \hline 99,999 \end{array}$	$\begin{array}{r} 32,323 \\ + 32,323 \\ \hline 64,646 \end{array}$	$\begin{array}{r} 12,222 \\ + 22,221 \\ \hline 34,443 \end{array}$	$\begin{array}{r} 13,131 \\ + 31,313 \\ \hline 44,444 \end{array}$	$\begin{array}{r} 25,552 \\ + 52,252 \\ \hline 77,804 \end{array}$

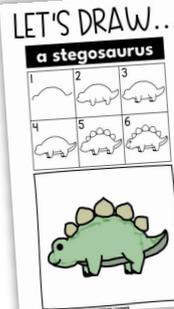
The dinosaur missing an egg:  
**D O E S N O T F L Y**

The Detective Agency sends congratulations to:

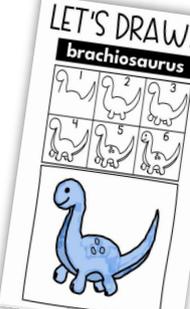
**Lindsay**  
You solved the mystery!

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

LET'S DRAW...  
a stegosaurus



LET'S DRAW...  
brachiosaurus



Who Does the Egg Belong to?

Solve the clues to figure out which dinosaur the egg belongs to.

<input checked="" type="checkbox"/> I'm a herbivore. <del>Pterodactyl</del>	<input checked="" type="checkbox"/> I'm a carnivore. <del>Pterodactyl</del>	<input checked="" type="checkbox"/> I'm a herbivore. <del>Pachycephalosaurus</del>	<input checked="" type="checkbox"/> I'm an omnivore. <del>Oviraptor</del>
<input checked="" type="checkbox"/> I'm a carnivore. <b>T-Rex</b>	<input checked="" type="checkbox"/> I'm a carnivore. <del>Spinosaurus</del>	<input checked="" type="checkbox"/> I'm a herbivore. <del>Brontosaurus</del>	<input checked="" type="checkbox"/> I'm a herbivore. <del>Triceratops</del>

**solve the mystery**



The Case of the Missing Dino Egg

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

**Clue #1: Find It!**  
Fill in the ending to each adverb with **-ly**, **-ward**, **-wise**, or **-where**.  
Then circle the ones with **-ly**. Read the words you circled from left to right like a book to solve the clue.

<b>the</b> The dinosaur loud <u>ly</u> roared.	<b>cute</b> The T. rex stomped for <u>ward</u> into the clearing.	<b>dino</b> The raptor quick <u>ly</u> chased its prey.	<b>egg</b> The little dinosaur couldn't find its herd any <u>where</u> .
<b>a</b> The dinosaur bones were careful <u>ly</u> cleaned by scientists.	<b>wings</b> The fossils were sorted length <u>wise</u> in the museum.	<b>not</b> The stegosaurus slow <u>ly</u> walked toward the water.	<b>have</b> The pterodactyl graceful <u>ly</u> glided above the trees.
<b>short</b> Dinosaurs once lived every <u>where</u> across the world.	<b>long</b> The ankylosaurus brave <u>ly</u> stood its ground.	<b>neck</b> The herd moved cautious <u>ly</u> past the volcano.	

Write the phrase on the line. Cross the wrong dinosaur off your list.  
the dino does not have a long neck

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.

689	749	597	553	622	708	671	741	759
<del>622</del>	<del>597</del>	<del>741</del>	<del>671</del>	<del>749</del>	<del>689</del>	<del>553</del>	<del>759</del>	<del>708</del>
<del>345+277</del>	<del>268+329</del>	<del>397+344</del>	<del>405+266</del>	<del>171+578</del>	<del>521+688</del>	<del>345+208</del>	<del>332+627</del>	<del>296+412</del>

s: D M N I V O R E S

The egg does not belong to any:  
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!

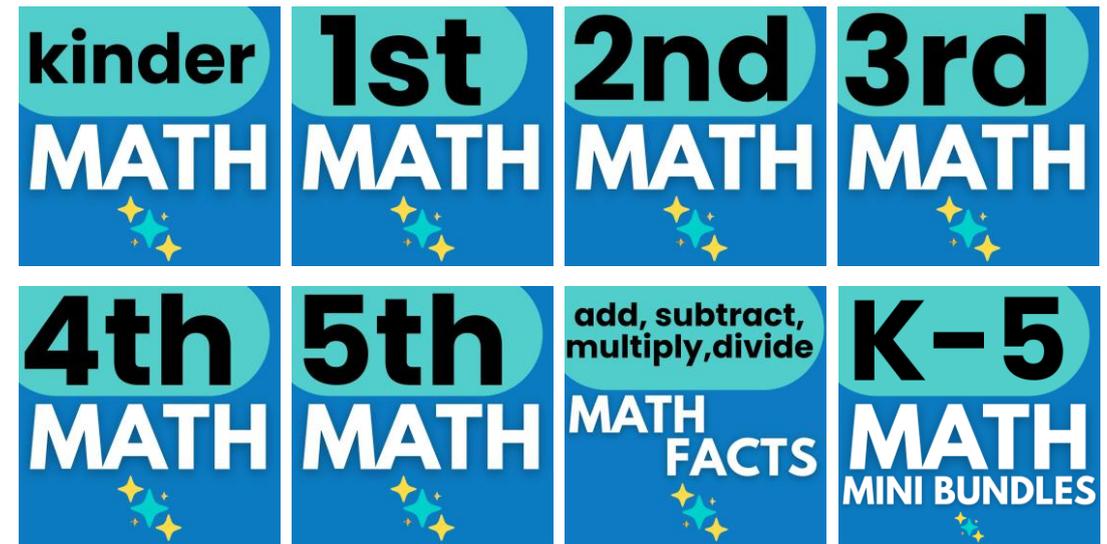
## GRAB A **READING MYSTERY**:

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!

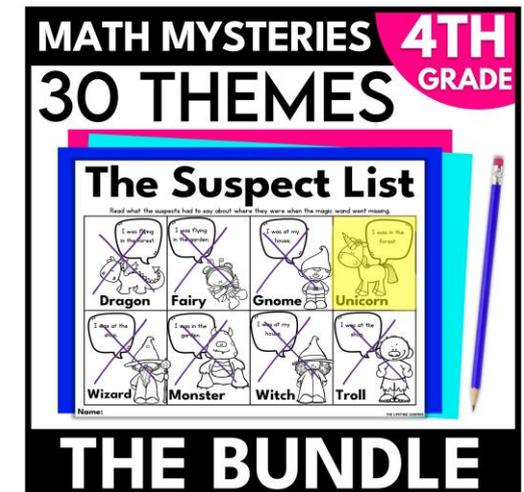


## MORE **MATH MYSTERIES**:

Explore other grade levels to differentiate and keep every student engaged.



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