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: Color the Castle
Solve each question. Circle the right answer and color each piece in on the castle. Then read the bottom.

$4\frac{5}{8} + 3\frac{2}{8}$ $2\frac{3}{12} + 1\frac{8}{12}$ $5\frac{1}{4} + 4\frac{2}{4}$

Clue #3: Detective Report
Once upon a time, there were $2\frac{1}{4} + 1\frac{2}{4}$ $\frac{3}{4}$ fairies. The fairies went to the castle to give the princess $1\frac{5}{10} + 1\frac{1}{10}$ $\frac{2}{10}$ gifts. The first fairy waved her magic wand $4\frac{6}{6} + 3\frac{1}{6}$ $7\frac{1}{6}$ times and gave the princess a beautiful dress. The next fairy waved h

Clue #4: The Cottage
First, fill in the answers in each box. Then, read what to do at the bottom.

$5\frac{5}{8} - 1\frac{2}{8}$ $4\frac{3}{8}$ snout $5\frac{6}{12} - 4\frac{3}{12}$ $5\frac{3}{12}$ spot

$3\frac{1}{2} - 1\frac{3}{4}$ $6\frac{2}{4} - 2\frac{3}{4}$

Clue #5: Right or Wrong?
Look at each answer. Decide if it's right or wrong. Color a thumbs up or down to show if you agree.

$6\frac{9}{12} - 4\frac{5}{12}$	$8\frac{1}{2} - 3\frac{1}{2}$	$5\frac{4}{10} - 2\frac{5}{10}$	$7\frac{6}{8} - 6\frac{4}{8}$
$2\frac{4}{12}$	$5\frac{1}{2}$	$2\frac{4}{10}$	$1\frac{1}{8}$
$9\frac{5}{6} - 5\frac{1}{6}$	$6\frac{2}{3} - 2\frac{2}{3}$	$10\frac{7}{12} - 4\frac{8}{12}$	$5\frac{3}{4} - 3\frac{1}{4}$
$3\frac{4}{6}$	4	$5\frac{1}{2}$	$2\frac{2}{4}$

Cross out the box
$1\frac{2}{3}$, $1\frac{4}{10}$
Write the w

How many answers did each character get correct? Cross out who got more answers correct. Now you should know who stole the missing wand!
3   2

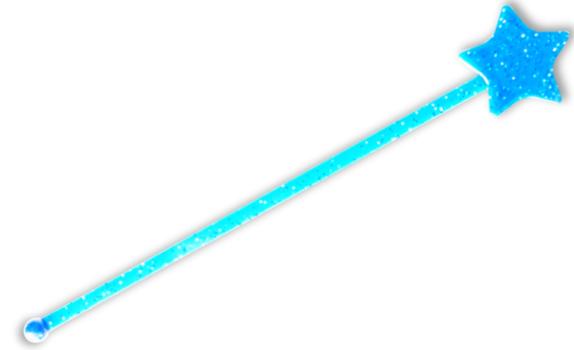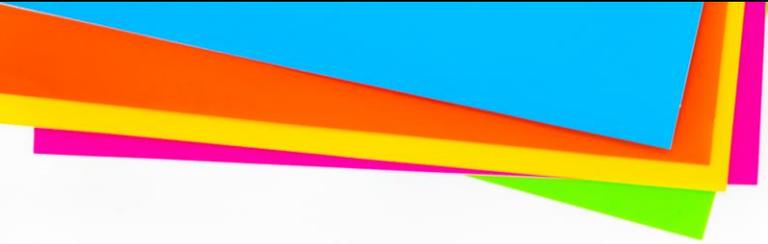## solve the mystery
The Case of the Missing Wand

The Suspect List
Read what the suspects had to say about where they were when the magic wand went missing.

I was flying in the forest. — **Dragon**
I was flying in the garden. — **Fairy**
I was at my house. — **Gnome**
I was in the forest. — **Unicorn**
I was at the shop. — **Wizard**
I was in the garden. — **Monster**
I was at my house. — **Witch**
I was at the shop. — **Troll**

Name:

Students complete a series of clues to figure out who took the missing wand!

HOW TO PLAY

What Happened?

Uh oh! Your new magic wand went missing and you don't know who took it! It's up to you to find out where your wand might be.

Solve each clue to figure out the mystery. Every time you solve a clue, you will get closer to discovering where the treasure is! 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.

$\frac{2}{3}$	$\frac{5}{12}$	$\frac{5}{6}$	$\frac{8}{10}$	I	$\frac{7}{8}$	$\frac{3}{4}$	$\frac{3}{5}$ $\frac{4}{8}$

Answers:

I	$\frac{5}{6}$	$\frac{2}{3}$	$\frac{7}{8}$	$\frac{5}{12}$	$\frac{2}{4}$	$\frac{8}{10}$	$\frac{4}{8}$ $\frac{3}{5}$

$\frac{1}{2} + \frac{1}{2}$ $\frac{3}{6} + \frac{2}{6}$ $\frac{1}{3} + \frac{1}{3}$ $\frac{4}{8} + \frac{3}{8}$ $\frac{2}{9} + \frac{3}{9}$ $\frac{1}{4} + \frac{2}{4}$ $\frac{5}{10} + \frac{3}{10}$ $\frac{2}{8} + \frac{2}{8}$ $\frac{1}{5} + \frac{2}{5}$

Letters: A B L E T O F L Y

The thief is NOT 👉

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 Suspect List

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

I was flying in the forest.	I was flying in the garden.	I was at my house.	I was in the forest.
Dragon	**Fairy**	**Gnome**	**Unicorn**
I was at the shop.	I was in the garden.	I was at my house.	I was at the shop.
Wizard	**Monster**	**Witch**	**Troll**

Name:

Each time students solve a clue, it will reveal which suspect to cross out.
When all clues are completed, the mystery of the magic wand 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.

$\frac{2}{3}$ $\frac{5}{12}$ $\frac{5}{6}$

Answers: 1 $\frac{5}{6}$

$\frac{1}{2}+\frac{1}{2}$ $\frac{3}{6}+\frac{2}{6}$

Letters: A   B

The thief is NOT

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

Clue #2: Color the Castle
Solve each question. Circle the right answer and color each piece in on the castle. Then read the bottom.

$4\frac{5}{8}+3\frac{2}{8}$
A. 7 7/8 - brown
B. 6 7/8 - gray
C. 7 6/8 - purple
D. 7 3/8 - black

$2\frac{3}{12}+1\frac{8}{12}$
A. 4 - purple
B. 3 5/12 - brown
C. 3 10/12 - black
D. 3 11/12 - gray

$5\frac{1}{4}+4\frac{2}{4}$
A. 9 1/4 - pink
B. 9 2/4 - blue
C. 9 3/4 - purple
D. 10 - brown

$6\frac{2}{3}+2\frac{2}{3}$
A. 9 - pink
B. 9 1/3 - green
C. 9 2/3 - yellow
D. 8 2/3 - brown

$1\frac{5}{8}+4\frac{3}{8}$
A. 5 6/8 - blue
B. 6 - yellow
C. 6 1/8 - red
D. 6 3/8 - pink

$7\frac{1}{2}+2\frac{1}{2}$
A. 9 1/12 - red
B. 9 - black
C. 10 1/2 - yellow
D. 10 - blue

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

Cross out the Wizard if the castle has:
gray door
brown castle
purple towers
green plants
yellow windows
blue flags

Cross out the Witch if the castle has:
brown door
gray castle
green towers
purple plants
yellow windows
blue flags

Cross out the Gnome if the castle has:
brown door
gray castle
purple towers
green plants
blue windows
yellow flags

Cross out the Troll if the castle has:
brown door
gray castle
purple towers
green plants
yellow windows
blue flags

Clue #3: Detective Report
...re were $2\frac{1}{4}+1\frac{2}{4}$ 3 3/4 fairies. The fairies went to the castle to give the princess $1\frac{5}{10}+1\frac{2}{10}$ 2 7/10
...aved her magic wand $4\frac{3}{6}+3\frac{1}{6}$ 7 4/6 times and gave the princess a beautiful dress. The next
...The princess told the next fairy that she
...orns instead. The unicorns ran around
...was surprised, but when she made
...wns to the fairies. The fairies waved

M= 9 10/12   A=5 3/5
T=3 3/4   O=8 3/6
O=2 7/10   H=7 4/6
N=9 7/8   T=6 3/4
E=7 10/12

THE LIFETIME LEARNER

Option 1:
Add Mixed Numbers with Like Denominators

Option 2:
Subtract Mixed Numbers with Like Denominators

Option 3:
Add & Subtract Mixed Numbers with Like Denominators

All clues focus on adding and subtracting mixed numbers with like denominators!

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: Color the Castle
Solve each question. Circle the right answer and color each piece in on the castle. Then read the bottom.

Clue #3: Detective Report
Once upon a time, there were (5x7)+(2x7) fairies. The fairies went to the castle to give the princess...

Clue #4: The Cottage
First, fill in the answers in each box. Then, read what to do at the bottom.

Clue #5: Right or Wrong?
Look at each answer. Decide if it's right or wrong. Color a thumbs up or down to show if you agree.

$1 \frac{9}{12} + 4 \frac{5}{12}$ $5 \frac{2}{4} + 2 \frac{1}{4}$ $3 \frac{1}{5} + 4 \frac{3}{5}$ $6 \frac{8}{10} + 2 \frac{4}{10}$

How many answers did each character get correct?
Cross out who got more answers correct.
Now you should know who stole the missing wand!

3 Clue Version

5 Clue Version

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:

Letters: A B L E T

The thief is NOT

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

Short & Long Options

2 MATH FACT OPTIONS!

The Suspect List
Read what the suspects had to say about where they were when the magic wand went missing.

I was flying in the forest.	I was flying in the garden.	I was at my house.	I was in the forest.
Dragon	**Fairy**	**Gnome**	**Unicorn**
I was at the shop.	I was in the garden.	I was at my house.	I was at the shop.
Wizard	**Monster**	**Witch**	**Troll**

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.

17   12   14   6   9   5   13   20

Answers:
4+5   11+3   7+10   4+1   6+6   8+5   2+4   12+7

Letters:

The thief is NOT

Use this decoder to help you figure out what letter to at the bottom picture.

Clue #2: Color the Castle
Solve each question. Circle the right answer and color each piece on on the castle. Then read the bottom.

14-8
A. 6 - brown
B. 7 - gray
C. 5 - purple
D. 4 - black

10-2
A. 6 - purple
B. 9 - brown
C. 7 - black
D. 8 - gray

15-4
A. 13 - pink
B. 12 - blue
C. 11 - purple
D. 10 - brown

6-4
A. 3 - pink
B. 2 - green
C. 5 - red
D. 1 - brown

11-7
A. 6 - blue
B. 4 - yellow
C. 7 - red
D. 5 -

9-3
A. 3 - red
B. 4 - black
C. 5 - yellow
D. 6 - blu

Clue #3: Detective Report
Once upon a time, there were **10+10** fairies. The fairies went to the castle to give the princess

The first fairy waved her magic wand **5+3** times and gave the princess a beautiful dress. The next

waved her magic wand and gave the princess **4+1** crowns. The princess told the next fairy that she

14+6 rubies. However, the fairy gave her **11+3** unicorns instead. The unicorns ran around

castle and made **1+0** rainbows from their horns. The princess was surprised, but when she made

with the unicorns, she gave back her **6+7** dresses and crowns to the fairies. The fairies waved

11+4 times and everyone lived happily ever after.

thief was:

A=1	J=10	S=19
B=2	K=11	T=20
C=3	L=12	U=21
D=4	M=13	V=22
	N=14	W=23
	O=15	X=24
P=16	Y=25
Q=17	Z=26
R=18	

Clue #4: The Cottage
First, fill in the answers in each box. Then, read what to do at the bottom.

18÷3		72÷8	
	snout		spot
42÷6		25÷5	
	tail		hat
90÷9		32÷8	
	beard		horn

Cross out the boxes with the following answers:
6, 7, 10, 9, 4
Write the word that is left on the line.

The culprit does not have a

_____

Clue #5: Right or Wrong?
Look at each answer. Decide if it's right or wrong. Color a thumbs up or down to show if you agree.

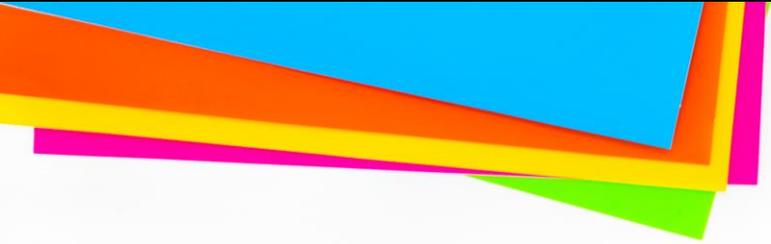| 5x3	3x4	2x6	9x4
15	11	12	35
7x8	10x5	3x8	7x6
57	50	24	42

How many answers did each character get **correct**?

Cross out who got **more answers correct**.
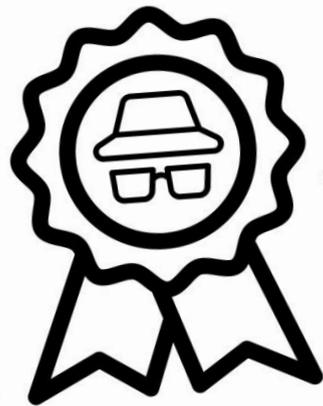Now you should know who stole the missing wand!

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:
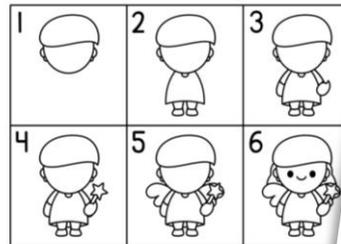
Lindsay

You solved the mystery!

11/2

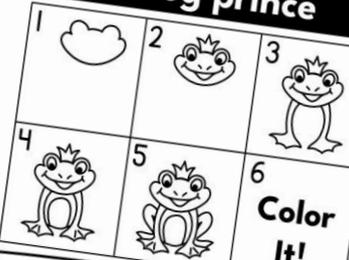Date

Presented by:

THE LIFETIME LEARNER

LET'S DRAW...
a fairy

1 2 3

4 5 6

THE LIFETIME LEARNER

LET'S DRAW...
a frog prince

1 2 3

4 5 6 Color It!

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 Cottage

First, fill in the answers in each box. Then, read what to do at the bottom.

$2\frac{2}{8} + 2\frac{2}{8}$	$6\frac{4}{6} + 1\frac{1}{6}$
4 4/8 ✗ snout	7 5/6 ✗ spot
$3\frac{2}{3} + 2\frac{2}{3}$	$5\frac{4}{8} + 3\frac{3}{8}$
6 1/3 ✗ tail	8 7/8 hat
$1\frac{3}{4} + 4\frac{3}{4}$	$7\frac{6}{12} + 2\frac{3}{12}$
6 2/4 ✗ beard	9 9/12 ✗ horn

Cross out the boxes with the following answers:

$6\frac{1}{3}$, $6\frac{2}{4}$, $4\frac{4}{8}$, $9\frac{9}{12}$, $7\frac{5}{6}$

Write the word that is left on the line.

The culprit does not have a

__Hat__ .

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!
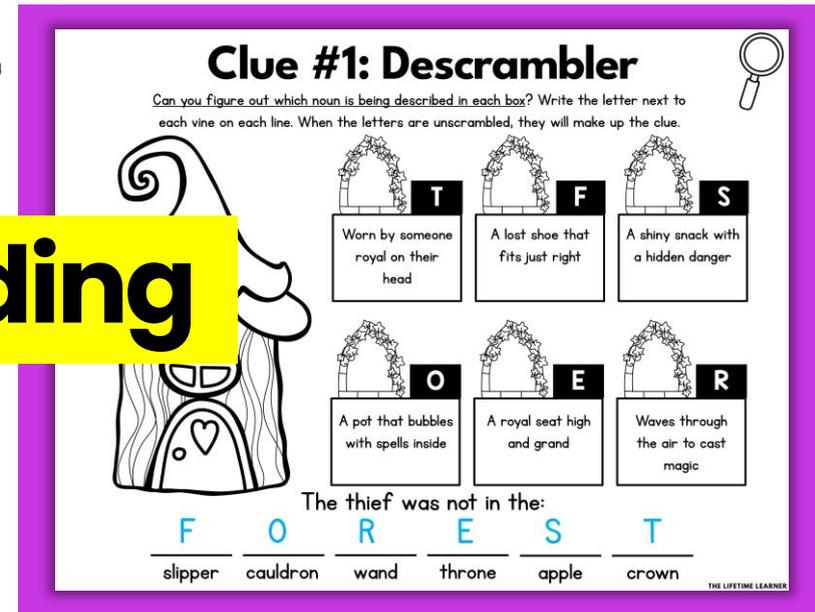
WHAT MAKES MATH MYSTERIES UNIQUE?

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

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!
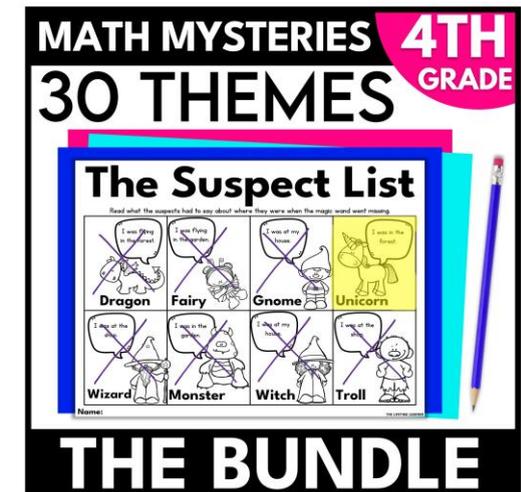
CVC WORDS
kinder PHONICS
1st PHONICS
2nd PHONICS
GRADES 2-3 GRAMMAR
PARTS OF SPEECH REVIEWS
GRADES 4-5 GRAMMAR

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

Dragon Fairy Gnome Unicorn
Wizard Monster Witch Troll

THE BUNDLE