

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

Clue #3: Detective Report
Once upon a time, $24,234$ princesses lived in a castle. The youngest princess was bored, so she went down to the stables to see her $73,34$ horses. She picked out a horse with 58513 spots and climbed on his back to ride. That afternoon, she saw $2x3,667$ horses. She picked out a horse with $7x8,359$ spots and climbed on his back to ride. That afternoon, she saw $7x8$ and rabbits in the garden. She picked out a rabbit with $4x3$ spots and a basket of $7x5$ berries. She took them home and ate them. The princess went to bed and dreamed of a $3x5,3$ gift.

Clue #4: The Queen's Castle
Put the correct answer in each box. Then, read what to do at the bottom.

Clue #5: Fill in the Blank

$59,292$	$5,018$	$49,155$	$26,552$	$30,168$	$56,211$
$22,582$	$13,634$	$61,244$	$18,569$	$59,122$	$9,135$
$10,845$	$15,952$	$28,496$	$23,428$	$4,570$	$13,942$

Answers: Word: $8 \times 3,319 = 26,552$ **The** $9 \times 6,588 = 59,292$ **hiding** $7 \times 8,446 = 59,122$ **who**

Answers: Word: $2 \times 6,817 = 13,634$ **princess** $4 \times 7,124 = 28,496$ **with** $5 \times 9,831 = 49,155$ **has**

Answers: Word: $7 \times 1,305 = 9,135$ **is** $3 \times 3,615 = 10,845$ **someone** $2 \times 2,285 = 4,570$ **frosting**

solve the mystery



The Case of the Missing Princess

Where is the Princess Hiding?
Figure out whose house the princess is hiding at right now by solving each clue.

 3 Little Pigs	 Goldilocks	 Little Red Riding Hood	 Little Red Hen
 Jack and the Beanstalk	Gingerbread Man	 Mary Had a Little Lamb	 Humpty Dumpty

Name: _____

Students complete a series of clues to figure out where the missing princess is!

HOW TO PLAY

What Happened?

The princess has disappeared! You need to figure out which fairytale character in the kingdom she is hiding with. Help figure out which character the princess is hiding with by solving clues.

1. Take a list of characters and then start solving each clue.
2. Each time you solve a clue, you will get closer to discovering where the princess is hiding.
3. Cross out wrong characters 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.



5,464 20,372 35,635 52,784 29,136 42,057 5,512 28,458 25,326

Answers: 29136 20372 5512 25326 52784 5464 35635 28458 42057
 $3,642 \times 8$ $5,093 \times 4$ $2,756 \times 2$ $8,442 \times 3$ $6,598 \times 8$ $1,366 \times 4$ $7,127 \times 5$ $9,486 \times 3$ $4,673 \times 9$

Letters: B E A N S T A L K

The princess is hiding somewhere with NO...



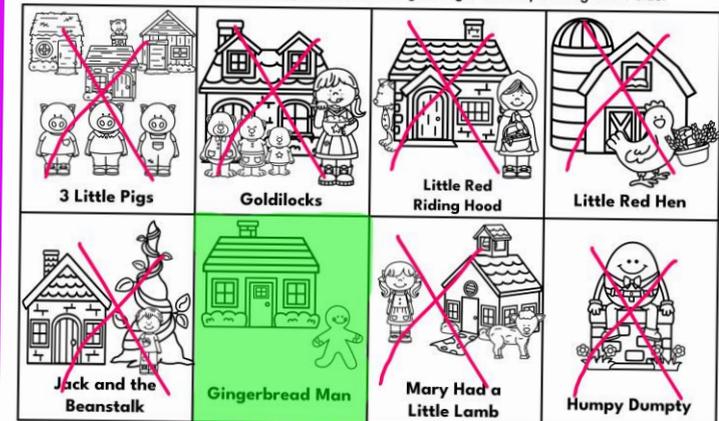
Use this decoder to help you figure out what letter is equal to each picture.



THE LIFETIME LEARNER

Where is the Princess Hiding?

Figure out whose house the princess is hiding at right now by solving each clue.



Name: _____

THE LIFETIME LEARNER

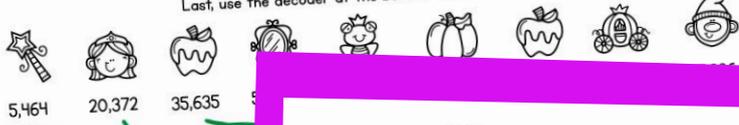
Each time students solve a clue, it will reveal what place to cross out.

When all clues are completed, the mystery of the missing princess 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.



5,464 20,372 35,635

Answers: $\frac{21136}{3,642 \times 8}$ $\frac{20372}{5,093 \times 4}$ $\frac{55}{2,7}$

Letters: B E

The princess is hiding somewhere with NO...

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

Clue #2: Error Analysis

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



Little Red Riding Hood



Gingerbread Man



Humpy Dumpty

- | | | |
|---|---|---|
| <input checked="" type="checkbox"/> $5 \times 1,459 = 7,295$ | <input checked="" type="checkbox"/> $9 \times 5,123 = 46,107$ | <input checked="" type="checkbox"/> $7 \times 4,326 = 30,228$ |
| <input checked="" type="checkbox"/> $2 \times 6,327 = 12,654$ | <input checked="" type="checkbox"/> $5 \times 2,687 = 13,453$ | <input checked="" type="checkbox"/> $3 \times 8,347 = 25,041$ |
| <input checked="" type="checkbox"/> $7 \times 5,322 = 37,245$ | <input checked="" type="checkbox"/> $3 \times 8,329 = 24,987$ | <input checked="" type="checkbox"/> $2 \times 6,442 = 12,884$ |
| <input checked="" type="checkbox"/> $4 \times 3,746 = 14,984$ | <input checked="" type="checkbox"/> $4 \times 7,674 = 30,699$ | <input checked="" type="checkbox"/> $9 \times 5,398 = 48,583$ |

The princess is not hiding with the character with the most correct answers.

Clue #3: Detective Report

princesses lived in a castle. The youngest princess was bored, so she went down to
spots and climbed on his back to
berries. She saw
got home, she gave
The king and queen were very happy with
princess went to bed smiling, excited to

M=7,334 L=22,023
G=36,171 U=36,452
H=58,513 N=11,820
R=44,922 I=24,224
A=16,095

- 1 by 4 Digit Multiplication
- Real-Life Mathematics
- Fairy Tale-Themed
- Error Analysis Practice

All clues focus on reviewing 4th grade skills!

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

Clue #3: Detective Report
Once upon a time, $\frac{24224}{4 \times 6,056}$ princesses lived in a castle. The youngest princess was bored, so she went down to the stables to see her $\frac{7334}{2 \times 3,667}$ horses. She picked out a horse with $\frac{5853}{7 \times 8,359}$ spots and climbed on his back to ride. That $\frac{3671}{11 \times 20}$ squirrel and rabbit $\frac{11220}{2 \times 2,364}$ berries to her mother. She was very happy with $\frac{22023}{11 \times 20}$ berries. She was excited to $\frac{22,023}{11 \times 20}$ berries. She was excited to go on $\frac{36,452}{11 \times 20}$ berries. She was excited to go on $\frac{36,452}{11 \times 20}$ berries.

3 Clue Version

Figure out each answer. Then, use the decoder to figure out the clue.

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

Clue #3: Detective Report
Once upon a time, $\frac{24224}{4 \times 6,056}$ princesses lived in a castle. The youngest princess was bored, so she went down to the stables to see her $\frac{7334}{2 \times 3,667}$ horses. She picked out a horse with $\frac{5853}{7 \times 8,359}$ spots and climbed on his back to ride. That $\frac{3671}{11 \times 20}$ squirrel and rabbit $\frac{11220}{2 \times 2,364}$ berries to her mother. She was very happy with $\frac{22023}{11 \times 20}$ berries. She was excited to $\frac{22,023}{11 \times 20}$ berries. She was excited to go on $\frac{36,452}{11 \times 20}$ berries. She was excited to go on $\frac{36,452}{11 \times 20}$ berries.

Clue #4: The Queen's Castle
Put the correct answer in each box. Then, read what to do at the bottom.

Clue #5: Fill in the Blank
Solve each problem. Write the answer. Then, write the word that goes with it. When you are done, read the words in order from top to bottom. In each row to figure out the clue.

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.

5,464 20,372 35,635 52,784 29,136 42,057 5,512 28,458 25,326

Answers: 29136 20372 5512 25326 52784 5464 35635 28458 42057

Letters: B E A N S T A

The princess is hiding somewhere with NO...

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

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.

5,464 20,372 35,635 52,784 29,136 42,057 5,512 28,458 25,326

Answers: 29,136 20,372 5,512 25,326 52,784 5,464 35,635 28,458 42,057

Letters: B

The princess is hiding somewhere with NO...

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

Short & Long Options

2 MATH FACT OPTIONS!

Where is the Princess Hiding?

Figure out whose house the princess is hiding at right now by solving each clue.

 3 Little Pigs	 Goldilocks	 Little Red Riding Hood	 Little Red Hen
 Jack and the Beanstalk	 Gingerbread Man	 Mary Had a Little Lamb	 Humpty Dumpty

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: $13 \div 4 = 3$, $8 \div 10 = 0$, $2 \div 6 = 0$, $5 \div 5 = 1$, $13 \div 6 = 2$, $2 \div 8 = 0$, $4 \div 5 = 0$, $8 \div 7 = 1$

Letters: **B E A N S I A L**

The princess is hiding somewhere with NO...
Use this decoder to help you figure out what letter is equal to each picture.

Clue #2: Error Analysis

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

		
<input checked="" type="checkbox"/> $13 - 8 = 6$	<input checked="" type="checkbox"/> $19 - 8 = 10$	<input checked="" type="checkbox"/> $15 - 7 = 8$
<input checked="" type="checkbox"/> $19 - 5 = 14$	<input checked="" type="checkbox"/> $7 - 2 = 5$	<input checked="" type="checkbox"/> $11 - 1 = 2$
<input checked="" type="checkbox"/> $8 - 4 = 3$	<input checked="" type="checkbox"/> $16 - 5 = 9$	<input checked="" type="checkbox"/> $14 - 4 = 9$
<input checked="" type="checkbox"/> $16 - 4 = 12$	<input checked="" type="checkbox"/> $14 - 3 = 11$	<input checked="" type="checkbox"/> $20 - 6 = 13$

Clue #4: The Queen's Castle

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

$5 \div 3 = 2$	$50 \div 10 = 5$	$36 \div 6 = 6$	$56 \div 8 = 7$	$40 \div 5 = 8$	$28 \div 4 = 7$
$63 \div 7 = 9$	$27 \div 9 = 3$	$18 \div 2 = 9$	$30 \div 3 = 10$	$7 \div 7 = 1$	$40 \div 10 = 4$

Cross out the boxes with the following answers: **1, 2, 3, 4, 6, 8**

The princess is not hiding with someone " **Little** ".

Clue #3: Detective Report

Once upon a time, $5 + 5 = 10$ princesses lived in a castle. The youngest princess was bored, so she went down to stables to see her $6 + 7 = 13$ horses. She picked out a horse with $10 + 9 = 19$ spots and climbed on his back to that afternoon, she rode to the Spring Forest and picked $4 + 8 = 12$ berries. She saw $3 + 2 = 5$ squirrels in the forest and said hello to both of them. When the princess got home, she gave $15 + 1 = 16$ berries to her mother, the queen, and $9 + 9 = 18$ berries to her father, the king. The king and queen were very happy with $12 + 8 = 20$ berries and ate $3 + 4 = 7$ of them for dessert that night. The little princess went to bed smiling, excited to new adventures.

The princess is not hiding with a:

M=13	L=5
G=12	U=18
H=19	N=16
	I=10

Clue #5: Fill in the Blank

50 hiding	16 egg	42 has	5 the	63 shell	40 crack
8 candy	72 princess	3 round	56 isn't	10 who	7 is
24 someone	35 doesn't	9 with	21 animal	1 frosting	15 not

Answer: Word

$10 \div 2 = 5$ The

$5 \times 10 = 50$ hiding

$40 \div 4 = 10$ who

$8 \times 9 = 72$ princess

$81 \div 9 = 9$ with

$6 \times 7 = 42$ has

$56 \div 8 = 7$ is

$3 \times 8 = 24$ someone

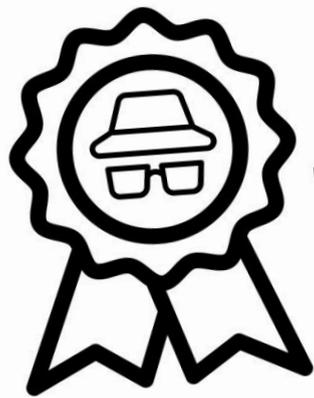
$8 \div 8 = 1$ frosting

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

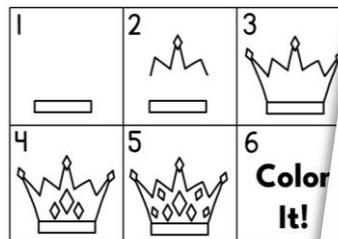
You solved the mystery!

11/2
Date

AW
Presented by:

LET'S DRAW...

a crown



THE LIFETIME LEARNER

LET'S DRAW...

a queen



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 Queen's Castle 

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

$2 \times 4,545$ 9090 B	$7 \times 1,357$ 9499 L	$3 \times 8,924$ 2772 S	$5 \times 9,152$ 45760 L	$4 \times 4,126$ 16504 R	$2 \times 6,562$ 13124 T
$8 \times 3,416$ 27328 T	$4 \times 9,056$ 36224 A	$9 \times 1,254$ 11286 L	$2 \times 4,876$ 9752 E	$7 \times 3,389$ 23723 D	$6 \times 9,304$ 55824 G

Cross out the boxes with the following answers:
• 55,824 • 23,723 • 26,772
• 16,504 • 9,090 • 36,224
The letters that are left will reveal a message.

The princess is not hiding with someone
" Little ".

THE LIFETIME LEARNER

In 4th grade, this works well in small groups or in partners.

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!
Read the nouns in each box. Keep the antonym pairs. Cross out the synonym pairs. Read the words you circled from left to right like a book to solve the clue.

princess hero	prince cloak cape	not castle cottage	can treasure gold
up sword blade	has spell magic	brick king servant	stick curse cure
up sword blade	straw prince princess	down wizard sorcerer	egg forest woods

Write the phrase on the line. Use the hint to cross the wrong place off your list.
princess not near brick stick straw

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.

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29136	20372	5512	25326	52784	5464	35635	28458	42057
3,642x8	5,093x4	2,756x2	8,442x3	6,598x8	1,366x4	7,127x5	9,486x3	4,673x9

BEANS TALK

The princess is hiding somewhere with NO...
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!**

