

WHAT IS THIS?

Clue #1: Sorting Cupcakes
Find each answer: Color the cupcakes the same color as the box they belong in. Then, find the correct key at the bottom to solve the clue!

Clue #2: 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 #3: Right or Wrong?
Did the kid draw the correct shape? Color the heart in to show if you agree.

Clue #4: The Chocolate Box
Put the correct answer in each box. Then, read what to do at the bottom.

Clue #5: Fill in the Blank

132 sq. ft.	15 windows	54 sq. ft. sun	144 sq. ft. bush	30 ft. above	70 sq. ft. under
120 sq. ft. has	72 sq. ft. door	28 ft. one	36 ft. roof	14 ft. two	38 ft. front
18 ft. house	26 ft. trees	35 sq. ft. heart	25 ft. three	63 sq. ft. beside	32 sq. ft. party

Where is the Party?
Figure out where the Valentine's Day party is being held by solving each clue.

99 Love Lane	44 Love Lane	72 Candy Road	55 Candy Road
33 Heart Way	88 Heart Way	22 Rose Street	66 Rose Street

solve the mystery

The Case of the Valentine Party

THE LIFETIME LEARNER

Students complete a series of clues to figure out where the Valentine Party is!

HOW TO PLAY

What Happened?

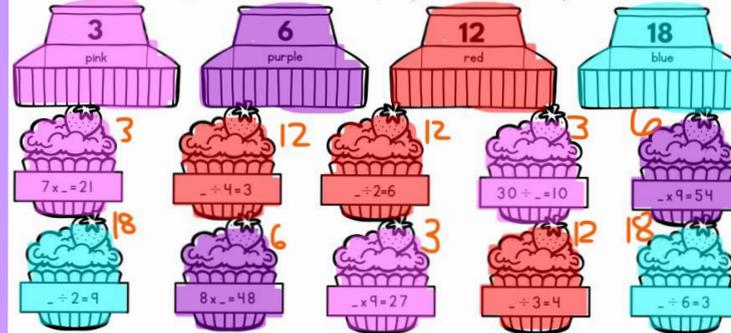
Whoops! You lost the address of the place where the Valentine's Day party is being held. Help figure out where the party is by solving each clue so you can arrive on time!

1. Take a list of places and then start solving each clue.
2. Each time you solve a clue, you will get closer to discovering where the party is.
3. Cross out wrong places each time you find out new information. Good luck!



Clue #1: Sorting Cupcakes

Find each answer. Color the cupcakes the same color as the box they belong in. Then, find the correct key at the bottom to solve the clue.



- | | | | |
|--|--|---|--|
| <ul style="list-style-type: none">• 3 pink cupcakes• 1 purple cupcake• 4 red cupcakes• 2 blue cupcakes <p>Cross out houses with 1 tree in the front yard.</p> | <ul style="list-style-type: none">• 3 pink cupcakes• 2 purple cupcakes• 3 red cupcakes• 2 blue cupcakes <p>Cross out houses with 2 trees in the front yard.</p> | <ul style="list-style-type: none">• 3 pink cupcakes• 3 purple cupcakes• 2 red cupcakes• 2 blue cupcakes <p>Cross out houses with any bushes in the front yard.</p> | <ul style="list-style-type: none">• 2 pink cupcakes• 3 purple cupcakes• 2 red cupcakes• 3 blue cupcakes <p>Cross out houses with windows.</p> |
|--|--|---|--|

Where is the Party?

Figure out where the Valentine's Day party is being held by solving each clue.



Name: _____

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

When all clues are completed, the mystery of the Valentine Party will be solved!

SKILL PRACTICE

- Area & Perimeter
- Fractions
- Multiplication & Division
- Missing Factors
- Rounding
- Geometry
- Valentine-Themed
- Error Analysis Practice

Clue #1: Sorting Cupcakes
Find each answer. Color the cupcakes the same color as the box they belong in. Then, find the correct key at the bottom to solve the clue!

3 pink
6 purple
12 red
18 blue

$7 \times _ = 21$
 $_ \div 4 = 3$
 $_ \div 2 = 9$
 $8 \times _ = 48$

Answers: $\frac{1}{3}$ $\frac{5}{6}$ $\frac{3}{8}$ $\frac{4}{4}$ $\frac{1}{6}$ $\frac{6}{8}$ $\frac{2}{4}$ $\frac{1}{2}$ $\frac{8}{8}$

Letters: C A N D Y R O A D

The party is NOT on...
Use this decoder to help you figure out what letter is equal to each picture.

A = [envelope]	G = [gift]	M = [mitten]	S = [sweater]	Y = [yarn]
B = [heart]	H = [heart]	N = [nose]	T = [tongue]	Z = [zipped]
C = [candy]	I = [ice cream]	O = [orange]	U = [umbrella]	
D = [dollar]	J = [jelly]	P = [pencil]	V = [valentine]	
E = [egg]	K = [kiss]	Q = [queen]	W = [wheel]	
F = [fish]	L = [lipstick]	R = [ring]	X = [x-ray]	

Clue #2: 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 #3: Right or Wrong?
I have all equal sides too. I'm a quadrilateral but I don't have any right angles. **rhombus**

I am a polygon with two more sides than a quadrilateral. **hexagon**

I am a quadrilateral. I have two sets of parallel sides. **parallelogram**

I am a polygon with five sides. **pentagon**

66 Rose Street.
99 Love Lane.
33 Heart Way.
22 Rose Street.

All clues focus on reviewing 3rd grade math skills!

MULTIPLE VERSIONS



Print & Digital Forms

Clue #1: Sorting Cupcakes
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Clue #2: 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 #3: Right or Wrong?
Did the kid draw the correct shape? Color the heart in to show if you agree.

3 Clue Version

In each box, color a happy heart or a sad heart to show if the answer is correct.
How many answers were correct?

1 Correct = Cross out 77 Candy Road.
2 Correct = Cross out 44 Love Lane.
3 Correct = Cross out 55 Candy Road.
4 Correct = Cross out 88 Heart Way.

5 Correct = Cross out 66 Rose Street.
6 Correct = Cross out 99 Love Lane.
7 Correct = Cross out 33 Heart Way.
8 Correct = Cross out 22 Rose Street.

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Clue #4: The Chocolate Box
Put the correct answer in each box. Then, read what to do at the bottom.

Clue #5: Fill in the Blank

132 the	15 windows	54 sq. ft.	144 sq. ft.	30 ft. above	70 under
120 has	72 door	28 one	36 roof	14 two	38 front
18 house					32 party

Answer & Word:
132 the
38 front
72 door

Josh comes into a 10 ft long and 12 ft wide bakery and buys chocolate cupcakes. What is the area of the bakery?
120 has

The balloons were scattered along the hallway. The hallway is 7 ft wide and 8 ft long. What is the perimeter of the hallway?
30 above

There are cupcakes at the Valentine's Party. They fit in a 8 ft long and 9 ft wide table. What is the area of the table?
72 door

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: Sorting Cupcakes
Find each answer. Color the cupcakes the same color as the box they belong in. Then, find the correct key at the bottom to solve the clue!

3 pink	6 purple	12 red	18 blue
--------	----------	--------	---------

7x_=21
_+4=3
_+2=6
30+_ =10
_x9=54

_-2=9
8x_=48
_x9=27
_+3=4

- 3 pink cupcakes
- 1 purple cupcake
- 4 red cupcakes
- 2 blue cupcakes

Cross out houses with 1 tree in the front yard.

- 3 pink cupcakes
- 2 purple cupcakes
- 3 red cupcakes
- 2 blue cupcakes

Cross out houses with 2 trees in the front yard.

- 3 pink cupcakes
- 3 purple cupcakes
- 2 red cupcakes
- 2 blue cupcakes

Cross out houses with any bushes in the front yard.

- 2 pink cupcakes
- 3 purple cupcakes
- 2 red cupcakes
- 3 blue cupcakes

Cross out houses with windows.

Clue #1: Sorting Cupcakes
Find each answer. Color the cupcakes the same color as the box they belong in. Then, find the correct key at the bottom to solve the clue!

3 pink	6 purple	12 red	18 blue
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7x_=21
_+4=3
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_x9=27
_+3=4
_+6=3

- 3 pink cupcakes
- 1 purple cupcake
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Cross out houses with 1 tree in the front yard.

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- 3 purple cupcakes
- 2 red cupcakes
- 2 blue cupcakes

Cross out houses with any bushes in the front yard.

- 2 pink cupcakes
- 3 purple cupcakes
- 2 red cupcakes
- 3 blue cupcakes

Cross out houses with windows.

Short & Long Options

2 MATH FACT OPTIONS!

Where is the Party?
Figure out where the Valentine's Day party is being held by solving each clue.

99 Love Lane	44 Love Lane	77 Candy Road	55 Candy Road
33 Heart Way	88 Heart Way	22 Rose Street	66 Rose Street

Name: _____

Clue #1: Sorting Cupcakes
Find each answer. Color the cupcakes the same color as the box they belong in. Then, find the correct key at the bottom to solve the clue.

8 pink	10 purple	14 red	17 blue
3+5	8-6	3+11	4+4
9+8	7+3	6+2	5+9

3 pink cupcakes
1 purple cupcake
4 red cupcakes
2 blue cupcakes

Cross out houses with 1 tree in the front yard.

Clue #2: 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: 12, 2, 9, 3, 16, 5, 8, 1, 13
20-8, 9-7, 15-6, 4-1, 14-3, 7-2, 12-4, 8-7, 17-4

Letters: C A N D Y R O A D

Clue #3: Right or Wrong?
Is the answer correct? Color the heart in to show if you agree.

5+5=10	11+5=15	8+9=17
2+8=9	16	16+2=18
10	10+6=16	4+9=13
7+5=12	3+8=12	

In each box, color a happy heart or a sad heart to show if the answer is correct.

Clue #4: The Chocolate Box
Put the correct answer in each box. Then, read what to do at the bottom.

12-5	54-6	30-10	5-5	56-7
X 2	X 9	X 7	X 3	O 8
42-7	8-8	45-9	100-10	8-2
X 6	X 1	N 5	E 10	X 4

Cross out the boxes with the following answers: 1, 2, 3, 4, 6, 7, 9. The letters that are left will reveal a message.

The party is not being held at a house with one bush.

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.

7 the	81 windows	10 sun	30 bush	72 above	64 under
3 has	9 door	36 one	70 roof	56 two	40 front
50 house	27 tree	5 heart	8 three	12 beside	6 party

Answer: Word

48 ÷ 8 = 6 Party

6 × 6 = 36 one

49 ÷ 7 = 7 the

5 × 10 = 50 house

15 ÷ 3 = 5 heart

10 × 4 = 40 front

27 ÷ 9 = 3 has

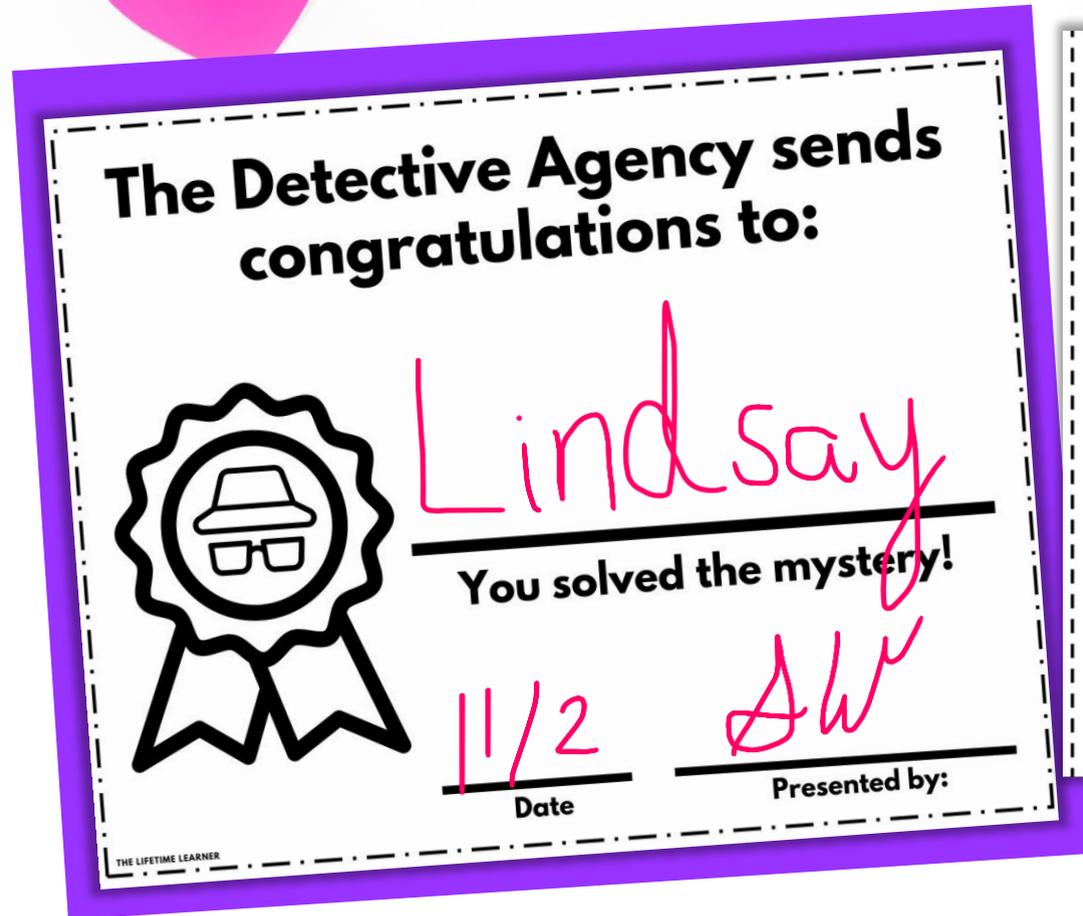
8 × 9 = 72 above

63 ÷ 7 = 9 door

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



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 Chocolate Box 

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

Round 687 to the nearest 10. T 690	Round 615 to the nearest 100. H 600	Round 984 to the nearest 10. W 880	Round 372 to the nearest 100. R 400	Round 181 to the nearest 10. <input checked="" type="checkbox"/> O 180
Round 154 to the nearest 100. F 200	Round 916 to the nearest 10. E 920	Round 335 to the nearest 100. <input checked="" type="checkbox"/> N 300	Round 96 to the nearest 10. <input checked="" type="checkbox"/> E 100	Round 523 to the nearest 100. R 500

Cross out the boxes with the following answers:
500, 690, 200, 600, 880, 400, 920

The letters that are left will reveal a message.

The party is not being held at a house with one bush.

THE LIFETIME LEARNER

In 3rd 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!

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120 sq. ft.	72 sq. ft.	28 ft.	36 ft.	14 ft.	38 ft.
18 ft.	26 ft.	35 sq. ft.	25 ft.	63 sq. ft.	32 sq. ft.

Answer & Word: **32 Party** **29 one** **132 the**

Answer & Word: **18 house** **35 heart** **38 front**

Answer & Word: **120 has** **30 above** **72 door**

The Detective Agency sends congratulations to:

Lindsay

You solved the mystery!

11/2 **AW**

Date Presented by:

LET'S DRAW... a cupcake

LET'S DRAW... an envelope

Where is the Party?
Figure out where the Valentine's Day party is being held by solving each clue.

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Name: _____

solve the mystery

The Case of the Valentine Party

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!**

