

WHAT IS THIS?

Clue #1: Sorting Cupcakes
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: Graph the Ordered Pairs
Graph the ordered pairs onto the coordinate grid. What shape do they make? What shape did the ordered pairs make when connected?

Clue #4: The Chocolate Box
Tell if the answer will get bigger, smaller, or stay the same by writing the correct letter in each box. Then, read what to do at the bottom.

Clue #5: Fill in the Blank

the	84.67	sun	7	bush	1.15	above	1.44	under			
8.67	has	5.8	door	84.7	one	11.43	roof	57.4	two	8	front
11.4	house	1.2	tree	57.39	heart	8.61	three	85	beside	6	party

Answer: Word: Round 5.791 to the nearest whole number: **6** **Party**

Answer: Word: Round 84.67 to the nearest tenth: **84.7** **one**

Answer: Word: Round 1.15 to the nearest whole number: **1** **the**

Answer: Word: Round 11.43 to the nearest whole number: **11.4** **house**

Answer: Word: Round 57.39 to the nearest hundredth: **57.39** **heart**

Answer: Word: Round 8.61 to the nearest whole number: **8** **front**

Answer: Word: Round 1.44 to the nearest hundredth: **1.44** **under**

Answer: Word: Round 5.8 to the nearest hundredth: **5.8** **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.

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: _____

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

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

72 pink	30 purple	47 red	54 blue
$(81 \div 9) \times (2+6)$ 72	$[(5 \times 5) - 3] + 25$ 47	$45 - (2 \times 3) + 8$ 47	$(6 \times 0) + (132 \div 11)$ 30
$98 - (7 \times 7) + 5$ 94	$[10 + (8 \times 7) - 2] - 3$ 30	$100 - (7 \times 9) + 35$ 72	$(11 \times 7) + 9 - 32$ 94

- 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.

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
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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

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

72 pink
30 purple
47 red
54 blue

72
 $(81 \div 9) \times (2 + 6)$
54
 $98 - (7 \times 7) + 5$
30
 $[(5 \times 5) - 3] \div 25$
10
 $[10 + (8 \times 7) \div 2]$

- 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.

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

Answers: $1\frac{1}{2}$ $2\frac{6}{7}$ 3 $3\frac{3}{4}$ $2\frac{1}{2}$ $3\frac{3}{5}$ 2 $1\frac{3}{5}$ $3\frac{3}{4}$

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 = [house] G = [heart] M = [flower] S = [gift] Y = [candy]
B = [heart] H = [heart] N = [heart] T = [heart] Z = [heart]
C = [heart] I = [heart] O = [heart] U = [heart]
D = [heart] J = [heart] P = [heart] V = [heart]
E = [heart] K = [heart] Q = [heart] W = [heart]
F = [heart] L = [heart] R = [heart] X = [heart]

Clue #3: Graph the Ordered Pairs
Graph the ordered pairs onto the coordinate grid. What shape do they make?
What shape did the ordered pairs make when connected?

(1,6) • (7,3)
(9,4) • (9,6)
(7,8) • (3,3)
(5,1) • (5,6)
(3,8) • (1,4)

What shape did the ordered pairs make when connected?
= Cross out 66 Rose Street.
rt = Cross out 99 Love Lane.
n = Cross out 33 Heart Way.
= Cross out 22 Rose Street.

- Decimals in Expanded Form
- Multiply Fractions by Whole Numbers
- Multiplication as Scaling
- Order of Operations
- Graph Ordered Pairs
- Valentine-Themed
- Error Analysis Practice

All clues focus on reviewing 5th grade math skills!

MULTIPLE VERSIONS



Print & Digital Forms

Clue #1: Sorting Cupcakes
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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: Graph the Ordered Pairs
Graph the ordered pairs onto the coordinate grid. What shape do they make?

3 Clue Version

(7,3)
(9,6)
(3,3)
(5,6)
(3,8)
(1,4)

Star = Cross out 66 Rose Street.
Heart = Cross out 99 Love Lane.
Mean = Cross out 33 Heart Way.
Sun = Cross out 22 Rose Street.

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Graph the ordered pairs onto the coordinate grid. What shape do they make?

Clue #4: The Chocolate Box
Tell if the answer will get bigger, smaller, or stay the same by writing the correct letter 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

8.67 has
1.15 above
5.8 door

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

72 pink
30 purple
47 red
54 blue

$(8 \div 9) \times (2 \div 6)$
 $[(5 \times 5) - 3] \div 25$
 $45 - (2 \times 3) \times 8$
 $(6 \times 10) \div (132 \div 11)$
 $58 - (6 \times 5) \div 2$

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

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

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

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

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$(8 \div 9) \times (2 \div 6)$
 $[(5 \times 5) - 3] \div 25$
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 $(6 \times 10) \div (132 \div 11)$
 $58 - (6 \times 5) \div 2$

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

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

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

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

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.

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

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

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

12 ÷ 6 = 2	54 ÷ 6 = 9	70 ÷ 10 = 7	5 ÷ 5 = 1	56 ÷ 7 = 8
42 ÷ 7 = 6	48 ÷ 8 = 6	45 ÷ 9 = 5	100 ÷ 10 = 10	8 ÷ 2 = 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.

48 ÷ 8 = 6	6x6 = 36	49 ÷ 7 = 7
5x10 = 50	15 ÷ 3 = 5	10x4 = 40
27 ÷ 9 = 3	8x9 = 72	63 ÷ 7 = 9

Answer: Word

Party, one, the, house, heart, above, has, 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

Tell if the answer will get bigger, smaller, or stay the same by writing the correct letter in each box.
Then, read what to do at the bottom.

Write the correct letter in each box.

$5 \times \frac{2}{2}$ T SS	$3 \times \frac{3}{4}$ H SS	$2 \times \frac{5}{5}$ W SS	$8 \times \frac{2}{10}$ R SS	$4 \times \frac{4}{5}$ O B
$4 \times \frac{2}{7}$ F SS	$6 \times \frac{1}{4}$ E SS	$3 \times \frac{1}{8}$ N B	$7 \times \frac{3}{2}$ E B	$9 \times \frac{1}{5}$ R SS

Bigger= B
Smaller= S
Stays the Same= SS

Cross out the boxes with the following answers:
Smaller, stays the same
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 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!

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

Clue #5: Fill in the Blank

11	the	84.67	windows	5.75	sun	7	bush	1.15	above	1.44	under
8.67	has	5.8	door	84.7	one	11.43	roof	57.4	two	8	front
11.4	house	1.2	tree	57.39	heart	8.61	three	85	beside	6	party

Answer: Word: Round 5794 to the nearest whole number: **6** **Party**

Answer: Word: Round 8467 to the nearest tenth: **84.7** **one**

Answer: Word: Round 1435 to the nearest whole number: **11** **the**

Answer: Word: Round 57396 to the nearest hundredth: **57.39** **heart**

Answer: Word: Round 8471 to the nearest whole number: **8** **front**

Answer: Word: Round 8671 to the nearest hundredth: **8.67** **has**

Answer: Word: Round 154 to the nearest hundredth: **1.15** **above**

Answer: Word: Round 5794 to the nearest tenth: **5.8** **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.

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.

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:

solve the mystery

The Case of the Valentine Party

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: Color the Chocolates

Fill in the blank with the missing adverb. Color in each chocolate box. Then, read the bottom.

She signed the Valentine cards right as the bell	The children decorated the mailbox _____ with _____	The teacher read the poem _____ to the class.	The dove landed on the balcony _____ during the ceremony.	The waiter carried the dessert tray _____ to the couple's table.	The musician played the song _____ on his guitar.
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What color boxes do you see? Find the key that matches for your next hint!

<ul style="list-style-type: none">1 pink box2 purple boxes2 red boxes1 blue box <p>The party house does not have <u>three</u> windows.</p>	<ul style="list-style-type: none">1 pink box2 purple boxes2 red boxes1 blue box <p>The party house does not have <u>four</u> windows.</p>	<ul style="list-style-type: none">1 pink box2 purple boxes2 red boxes1 blue box <p>The party house does not have <u>five</u> windows.</p>	<ul style="list-style-type: none">1 pink box2 purple boxes2 red boxes1 blue box <p>The party house does not have <u>six</u> windows.</p>
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Example of Clue 1

Math

Clue #1: Sorting Cupcakes

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

72 pink	30 purple	47 red	54 blue
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Color the cupcakes the same color as the box they belong in. Then, find the correct key at the bottom to solve the clue!

72 (2×6) 94 (7×5)	47 $[(5 \times 5) - 3] \div 25$ 30 $[10 \times (8 \times 7) \div 2] - 3$	47 $45 - (2 \times 3) \times 8$ 72 $100 - (7 \times 9) \times 35$	30 $(6 \times 10) \div (132 \div 11)$ 47 $(12 \times 5) - (9 \times 4)$	94 $58 - (6 \times 5) \times 2$ 94 $[(11 \times 7) \div 9] - 32$
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<ul style="list-style-type: none">3 pink cupcakes1 purple cupcake4 red cupcakes2 blue cupcakes <p>Cross out houses with 1 tree in the front yard.</p>	<ul style="list-style-type: none">3 pink cupcakes2 purple cupcakes3 red cupcakes2 blue cupcakes <p>Cross out houses with 2 trees in the front yard.</p>	<ul style="list-style-type: none">3 pink cupcakes3 purple cupcakes2 red cupcakes2 blue cupcakes <p>Cross out houses with any bushes in the front yard.</p>	<ul style="list-style-type: none">2 pink cupcakes3 purple cupcakes2 red cupcakes3 blue cupcakes <p>Cross out houses with windows.</p>
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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!**

