

WHAT IS THIS?

Clue #1: Find It!
Find the area of each rectangle. Circle the boxes that equal 60 sq. ft.
Read the words you circled from left to right like a book to solve the clue.

Clue #2: Descrambler
Find the perimeter of each rectangle. When the letters are unscrambled, they will make up the clue.

Clue #3: The Map
Look at the camping map. First, fill in all the missing sides. Then, answer the questions based on the dimensions.
Look at your answers. Which numbers showed up most often?

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

Clue #5: Color the Backpacks
Solve each word problem below. Color the backpacks based on your answers.

The cabin has an area of 64 sq. ft. If the length of the cabin is 16 ft, what is the width of the cabin?
A. 3 ft. color backpack red
B. 8 ft. color backpack green
C. 4 ft. color backpack yellow
D. 6 ft. color backpack blue

The mess hall measures 17 yards long and 9 yards wide. What is the perimeter of the mess hall?
A. 46 yds. color backpack red
B. 52 yds. color backpack green
C. 57 yds. color backpack yellow
D. 48 yds. color backpack blue

A square fire pit measures 11 inches on one side. What is the area of the fire pit?
A. 121 sq. in. color backpack red
B. 44 sq. in. color backpack green
C. 120 in. color backpack yellow
D. 40 in. color backpack blue

A rectangular pool at the campground has a perimeter of 48 ft. If one side measures 18 ft, what is the length of the other side?
A. 2 sq. ft. color backpack red
B. 7 ft. color backpack green
C. 6 ft. color backpack yellow
D. 4 sq. ft. color backpack blue

What color backpacks do you see? Find the key that matches for your next hint!

• 1 red backpack • 1 green backpack • 0 yellow backpacks • 2 blue backpacks	• 2 red backpacks • 1 green backpack • 0 yellow backpacks • 1 blue backpack	• 1 red backpack • 1 green backpack • 2 yellow backpacks • 0 blue backpacks	• 0 red backpacks • 2 green backpacks • 2 yellow backpacks • 0 blue backpacks
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Your friend is swimming at the lake.
Your friend is in a boat.
Your friend is at the canoe rental.
Your friend is hiking on the nature trail.

solve the mystery

The Case of the Missing Camper

Where is Your Friend?
You're trying to find your best friend at camp. Solve the clues to figure out where they are right now.

COUNSELOR CABIN
MESS HALL
CANOE RENTAL
THE LAKE
NATURE TRAIL
THE CAMPING GROUND
FIRE PIT
ATHLETIC FIELD

Name: _____

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

HOW TO PLAY

What Happened?

You and your best friend are finally at summer camp, but now, you don't know where your friend went. It's up to you to solve a set of clues to figure out where they are and solve the mystery!

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



Clue #1: Find It!

Find the area of each rectangle. Circle the boxes that equal 60 sq. ft.
Read the words you circled from left to right like a book to solve the clue.

my 7 ft. 11 ft. 77	your 5 ft. 12 ft. 60	the 10 ft. 13 ft. 40	lake 3 ft. 14 ft. 42
hiding 12 ft. 13 ft. 36	friend 20 ft. 3 ft. 60	hiked 13 ft. 13 ft. 52	is 15 ft. 4 ft. 60
not 10 ft. 6 ft. 60	swimming 19 ft. 3 ft. 57	sleeping 30 ft. 2 ft. 60	eating 8 ft. 8 ft. 64

Write the phrase on the line. Cross the wrong place(s) off your list.

Your friend is not sleeping

Where is Your Friend?

You're trying to find your best friend at camp. Solve the clues to figure out where they are right now.



Name: _____

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

When all clues are completed, the mystery of the missing camper will be solved!

SKILL PRACTICE

- Area & Perimeter
- A & P: Word Problems
- A & P: Missing Sides
- Camper-Themed
- Error Analysis Practice

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Find the perimeter of each rectangle. When the letters are unscrambled, they will make up the clue.

Clue #3: The Map
Complete the camping map. First, fill in all the missing sides. Then, answer the questions based on the dimensions.

Clue #1: Find It! (Handwritten Solutions)

my 7 ft. 11 ft. 77	your 5 ft. 12 ft. 60	the 10 ft. 10 ft. 100	lake 3 ft. 10 ft. 30
hiding 12 ft. 3 ft. 36	not 10 ft. 6 ft. 60		

Clue #2: Descrambler (Handwritten Solutions)

9 ft. 4 ft. $4+9=13$ $13 \times 2=26$ Perimeter: 26	4 ft. 4 ft. $4+6=10$ $10+6=20$ Perimeter: 20	11 ft. 3 ft. $11+3=14$ $14 \times 2=28$ Perimeter: 28	9 ft. 10 ft. $9+10=19$ $19 \times 2=38$ Perimeter: 38	8 ft. 3 ft. $8+3=11$ $11 \times 2=22$ Perimeter: 22
15 ft. 8 ft. $15+8=23$ $23 \times 2=46$ Perimeter: 46	17 ft. 3 ft. $3+17=20$ $20 \times 2=40$ Perimeter: 40	15 ft. 7 ft. $15+7=22$ $22 \times 2=44$ Perimeter: 44	12 ft. 6 ft. $6+12=18$ $18 \times 2=36$ Perimeter: 36	19 ft. 5 ft. $19+5=24$ $24 \times 2=48$ Perimeter: 48

Clue #3: The Map (Handwritten Solutions)

Playground: $3 \times 6 = 18$ sq. yds.

Lake: $11 \times 6 = 66$ sq. yds.

Perimeter of Lake: $11 + 6 + 11 + 6 = 34$ yds.

Perimeter of Playground: $3 + 6 + 3 + 6 = 18$ yds.

Unscrambled word: **L I K E S P O R T S**

Perimeter of Camp: 36 ft.

All clues focus on reviewing area and perimeter!

MULTIPLE VERSIONS

Print & Digital Forms

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Find the area of each rectangle. Circle the boxes that equal 60 sq. ft. Read the words you circled from left to right like a book to solve the clue.

Clue #2: Descrambler
Find the perimeter of each rectangle. When the letters are unscrambled, they will make up the clue.

Clue #3: The Map
Look at the camping map. First, fill in all the missing sides. Then, answer the questions based on the dimensions. Look at your answers. Which numbers showed up most often?

Questions:
1. What is the area of the campground?
2. What is the perimeter of the campground?
3. What is the area of the forest?
4. What is the perimeter of the forest?
5. What is the area of the lake?
6. What is the perimeter of the lake?
7. What is the area of the canoe rental?
8. What is the perimeter of the canoe rental?
9. What is the area of the tent?
10. What is the perimeter of the tent?
11. What is the area of the tent?
12. What is the perimeter of the tent?

3 Clue Version

Clue #1: Find It!
Find the area of each rectangle. Circle the boxes that equal 60 sq. ft. Read the words you circled from left to right like a book to solve the clue.

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Find the perimeter of each rectangle. When the letters are unscrambled, they will make up the clue.

Clue #3: The Map
Look at the camping map. First, fill in all the missing sides. Then, answer the questions based on the dimensions. Look at your answers. Which numbers showed up most often?

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

Clue #5: Color the Backpacks
Solve each word problem below. Color the backpacks based on your answers.

The cabin has an area of 64 sq. ft. If the length of the cabin is 8 ft, what is the width of the cabin?
The mess hall measures 17 yards long and 9 yards wide. What is the perimeter of the mess hall?
A square fire pit measures 11 inches on one side. What is the area of the fire pit?
A rectangular pool at the campground has a perimeter of 148 ft. If one side measures 18 ft, what is the length of the other side?

5 Clue Version

- 1 red backpack
- 1 green backpack
- 0 yellow backpacks
- 2 blue backpacks

Your friend is swimming at the lake.

- 2 red backpacks
- 1 green backpack
- 0 yellow backpacks
- 1 blue backpack

Your friend is in a boat.

- 1 red backpack
- 1 green backpack
- 2 yellow backpacks
- 0 blue backpacks

Your friend is at the canoe rental.

- 0 red backpacks
- 2 green backpacks
- 2 yellow backpacks
- 0 blue backpacks

Your friend is hiking on the nature trail.

Clue #2: Descrambler
Find the perimeter of each rectangle. When the letters are unscrambled, they will make up the clue.

Place the correct letter on top of each matching answer.
Your friend does not...

L I K E S P O R T

Clue #2: Descrambler
Find the perimeter of each rectangle. When the letters are unscrambled, they will make up the clue.

Place the correct letter on top of each matching answer.
Your friend does not...

CAMP

Short & Long Options

2 MATH FACT OPTIONS!

Where is Your Friend?

You're trying to find your best friend at camp. Solve the clues to figure out where they are right now.

Name: _____

Clue #1: Find It!

Solve each question. Circle the boxes that equal 16.
Read the words you circled from left to right like a book to solve the clue.

8-7 15	4+12 16	8+6 14	2+15 17
hiding 8+9 17	friend 8+8 16	hiked 11+4 15	3+13 16
10+6 16	swimming 3+11 14	sleeping 9+7 16	11+5 16

Your friend is near water.

Clue #2: Descrambler

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

15-6 9 P	9-7 2 S	12-8 4 T	5-2 3 R
11-10 1 E	19-4 15 I	13-2 11 S	20-7 13 K
10-4 6 L	17-3 14 O		

Your friend is near water.

Clue #3: 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: N O T E A I N G

Someone tells that your friend is near water.

Clue #4: The Tent

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

6÷3 2	49÷7 7	90÷9 10	24÷6 4
55÷11 5	108÷12 9	77÷7 11	12÷4 3
5÷5 1	84÷7 12	54÷9 6	32÷4 8

Another camper tells you that your friend is near water.

Clue 5: Color the Backpacks

Solve each problem. Color the backpacks based on your answers.

What answer do you see the most? 6x4=24 5x5=25 3x8=24 2x2=24 A. 28 - color backpack red B. 25 - color backpack green C. 24 - color backpack yellow D. 20 - color backpack blue	What answer do you see the most? 25-5=5 50-10=5 20-5=4 45-9=5 A. 4 - color backpack red B. 5 - color backpack green C. 6 - color backpack yellow D. 7 - color backpack blue	What answer do you see the most? 4x0=40 9x4=36 3x2=36 6x6=36 A. 36 - color backpack red B. 35 - color backpack green C. 40 - color backpack yellow D. 32 - color backpack blue	What answer do you see the most? 81÷9=9 27÷3=9 108÷12=9 54÷9=6 A. 6 - color backpack red B. 8 - color backpack green C. 9 - color backpack yellow D. 7 - color backpack blue
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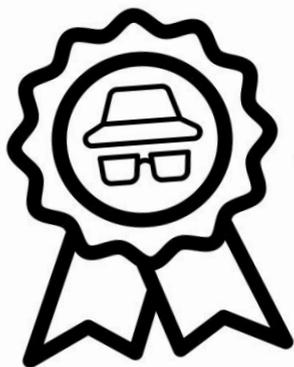
Your friend is near water.

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

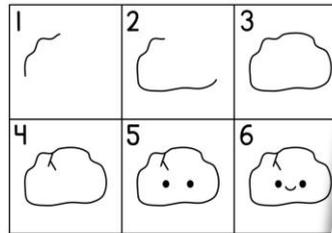
You solved the mystery!

11/2
Date

AW
Presented by:

LET'S DRAW...

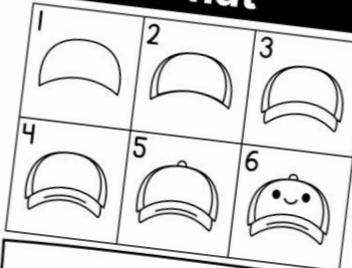
a rock



THE LIFETIME LEARNER

LET'S DRAW...

a hat



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 Tent

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

Area: 2 17 cm² ^{? 13 cm} _{7 cm}	10 in P: 26 in ^{? 3 in}	P: 28 m ^{? 13 m} _{1 m}	Area: 84 cm ² _{7 cm}	P: 40 cm ^{? 15 cm} _{7 cm}
_{7 m} ^{? 9 m} P: 32 m	P: 14 ft ^{? 7 ft} 5 ft _{7 ft}	_{8 cm} ^{? 4 cm} Area: 32 cm ²	_{7 ft} ^{? 7 ft} P: 36 ft 11 ft	_{5 cm} ^{? 8 cm} Area: 40 cm ²

Cross out the following answers:
13 m, 7 ft, 15 cm, 13 cm, 2 ft
Which letters are left? Write them on the line.

Another camper tells you that your friend is near water.



In 4th 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: Find It!
Tell how many clouds long or tall each kite is. Circle the boxes that equal 4 units. Read the words you circled from left to right like a book to solve the clue.

Clue #2: Descrambler
Find the perimeter of each rectangle. When the letters are unscrambled, they will make up the clue.

Clue #3: Right or Wrong?
Count how long each s'more stick is using the chocolate. Color each thumb in to show if you agree with each answer.

Clue 4: The Map
Cut out the ruler at the bottom. Use it to figure out how far it is from one place to the next. What answer do you see the most?

Clue #5: Color the Backpacks
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Your friend is in a boat.

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Your friend is at the canoe rental.

- 0 red backpacks
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Your friend is hiking on the nature trail.

The Detective Agency sends congratulations to:



Lindsay

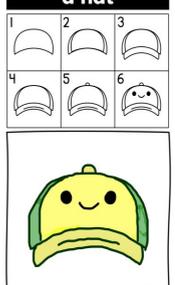
You solved the mystery!

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

LET'S DRAW... a rock



LET'S DRAW... a hat



Where is Your Friend?

You're trying to find your best friend at camp. Solve the clues to figure out where they are right now.



THE CAMPING GROUND

THE LAKE

THE COUNSELOR CABIN

THE MESS HALL

THE CANOE RENTAL

THE NATURE TRAIL

THE FIRE PIT

THE ATHLETIC FIELD

Name: _____

solve the mystery



The Case of the Missing Camper

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: Picture Decoder

Find each answer. Then, draw a line to each match. Last, use the decoder at the bottom to solve the clue.

Letters: B A L L or N E T

Your friend is not near a

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 =	

Example of Clue 1

Math

Clue #1: Find It!

Find the area of each rectangle. Circle the boxes that equal 60 sq. ft.
Read the words you circled from left to right like a book to solve the clue.

my 7 ft. 11 ft. 77	your 5 ft. 12 ft. 60	the 10 ft. 1 1/2 ft. 40	lake 3 ft. 14 ft. 42
hiding 12 ft. 36	friend 20 ft. 3 ft. 60	hiked 13 ft. 1 1/2 ft. 52	is 15 ft. 14 ft. 60
not 10 ft. 6 ft. 60	swimming 19 ft. 3 ft. 57	sleeping 30 ft. 2 ft. 60	eating 8 ft. 8 ft. 64

Write the phrase on the line. Cross the wrong place(s) off your list.

Your friend is not sleeping

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!**

