

WHAT IS THIS?



Clue #1: Picture Decoder
Find the length of the missing side. 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 Race Track
Find each missing side length. Circle the right answer and color in the picture. Then read the bottom.

Clue #3: Right or Wrong?
Color the flag green if the answer is correct. Color the flag red if it's wrong.

Clue #4: Red Light Green Light
Find what the missing side length is. Put the correct answer in each circle. Then, read what to do at the bottom.

Clue #5: Find It!
Begin at the START box. Look at what the ? is equal to. Circle right answers. Cross out wrong ones. Drive through the maze by following the CORRECT answers and the mystery phrase will be revealed.

Who Won the Race?
Figure out who won the big race by solving each clue.

The Case of the Big Race

Who Won the Race?
Figure out who won the big race by solving each clue.

3, 4, 5
What letter is...

The winner is not near a traffic light

solve the mystery

The Case of the Big Race

Who Won the Race?
Figure out who won the big race by solving each clue.

My car is blue. My car is green. My car is red. My car is blue.

1 Ji 2 Milo 3 Andre 4 Luna

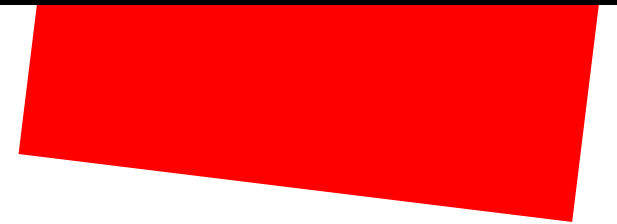
My car is red. My car is green. My car is pink. My car is black.

5 Leo 6 Jada 7 Eve 8 Nobu

Name: _____

Students complete a series of clues to figure out who won the race!

HOW TO PLAY



What Happened?

You forgot to watch the big race on TV last night. Now, you're going to need to solve some clues to figure out who won! Help figure out who came in 1st place so you'll be able to chat with friends about the winner.

1. Take a list of racers and then start solving each clue.
2. Each time you solve a clue, you will get closer to discovering who won the race.
3. Cross out wrong race cars each time you find out new information. Good luck!



THE LIFETIME LEARNER

Clue #1: Picture Decoder

Find the length of the missing side. Write the answer on each line. Then, draw a line to each match. Last, use the decoder at the bottom to solve the clue.

6 cm 2 cm 8 cm 4 cm 7 cm 10 cm

Answers: 4 cm 2 cm 8 cm 6 cm 10 cm 7 cm

? Area: 32 cm² 8 cm Area: 14 cm² 7 cm Area: 40 cm² 5 cm ? Area: 54 cm² ? Area: 60 cm² 6 cm Area: 28 cm² 4 cm ?

Letters: N O I R E D

The winning car is...

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 =	

Who Won the Race?

Figure out who won the big race by solving each clue.

 My car is blue.	 My car is green.	 My car is red.	 My car is blue.
 My car is red.	 My car is green.	 My car is pink.	 My car is black.

Name: _____

THE LIFETIME LEARNER

Each time students solve a clue, it will reveal which racers to cross out. When all clues are completed, the mystery of the big race will be solved!

SKILL PRACTICE

Version #1:
Area Missing Sides

Version #2:
Perimeter Missing Sides

Version #3:
A&P Missing Sides

Clue #1: Picture Decoder
Find the length of the missing side. Write the answer on each line. Then, draw a line to each match. Last, use the decoder at the bottom to solve the clue.

6 cm 2 cm

Answers: 4 cm 2 cm

8 cm 14 cm

Letters: N O

The winning car is...

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

Clue #2: Color the Race Track
Find each missing side length. Circle the right answer and color in the picture. Then read the bottom.

9 ft 10 ft 7 ft

Area: 36 ft^2 Area: 50 ft^2 Area: 63 ft^2

A. 24 ft - red trophy A. 10 ft - red flags A. 10 ft - red finish line
B. 12 ft - blue trophy B. 15 ft - blue flags B. 9 ft - blue finish line
C. 3 ft - yellow trophy C. 5 ft - yellow flags C. 18 ft - yellow finish line
D. 4 ft - green trophy D. 500 ft - green flags D. 20 ft - green finish line

Area: 24 ft^2 Area: 48 ft^2 Area: 72 ft^2

8 ft 6 ft 9 ft

A. 3 ft - red road A. 4 ft - red cars A. 10 ft - red traffic light
B. 6 ft - blue road B. 8 ft - blue cars B. 3 ft - blue traffic light
C. 9 ft - yellow road C. 10 ft - yellow cars C. 8 ft - yellow traffic light
D. 12 ft - green road D. 12 ft - green cars D. 12 ft - green traffic light

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

Cross out Car 8 if this is true:
• Yellow trophy
• Green flags
• Blue finish line
• Red road
• Blue cars
• Yellow traffic light

Cross out Car 6 if this is true:
• Green trophy
• Yellow flags
• Red finish line
• Blue road
• Blue cars
• Yellow traffic light

Cross out Car 4 if this is true:
• Green trophy
• Yellow flags
• Blue finish line
• Red road
• Yellow cars
• Blue traffic light

Cross out Car 2 if this is true:
• Green trophy
• Yellow flags
• Blue finish line
• Red road
• Blue cars
• Yellow traffic light

Clue #3: Right or Wrong?
Flag green if the answer is correct. Color the flag red if it's wrong.

The track has an area of 72 square yards. If one side is 9 yards long, what is the length of the other side?

The stadium is 9 yards long. What is the width of the stadium if the area is 72 square yards?

The racing flag is 12 cm long. What is the width of the racing flag if the area is 108 square centimeters?

9 cm

The traffic light has an area of 90 square inches. If the width is 9 inches, how long is the length?

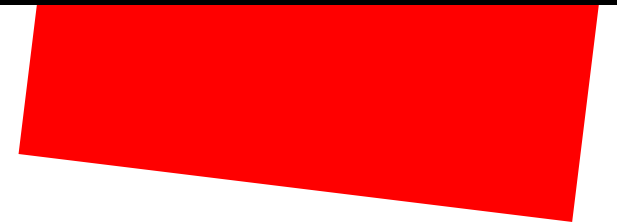
10 in.

The parking spot measures 8 feet long. What is the measure of the other side if the area is 56 square feet?

7 ft.

All clues focus on reviewing 3rd grade skills!

MULTIPLE VERSIONS



Print & Digital Forms

Clue #1: Picture Decoder
Find the length of the missing side given the perimeter. 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 Race Track
Find each missing side length given the perimeter. Circle the right answer and color in the picture. Then read the bottom.

Clue #3: Right or Wrong?
Color the flag green if the answer is correct. Color the flag red if it's wrong.

3 Clue Version

Clue #1: Picture Decoder
Find the length of the missing side given the perimeter. 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 Race Track
Find each missing side length given the perimeter. Circle the right answer and color in the picture. Then read the bottom.

Clue #3: Right or Wrong?
Color the flag green if the answer is correct. Color the flag red if it's wrong.

Clue #4: Red Light Green Light
Find what the missing side length is. Put the correct answer in each circle. Then, read what to do at the bottom.

Clue #5: Find It!
Begin at the START box. Look at what the ? is equal to. Circle right answers. Cross out wrong ones. Drive through the maze by following the CORRECT answers and the mystery phrase will be revealed.

5 Clue Version

Clue #1: Picture Decoder
Find the length of the missing side. 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: 4 cm, 2 cm, 8 cm, 6 cm, 10 cm, 7 cm

Letters: N, O, I, R

The winning car is...

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

Clue #1: Picture Decoder
Find the length of the missing side given the perimeter. 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: 2, 3 cm, 14 cm, 11 cm, 16 cm, 22 cm, 4 cm

Letters: N, O, I, R

The winning car is...

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

Short & Long Options

2 MATH FACT OPTIONS!



Who Won the Race?

Figure out who won the big race by solving each clue.

 My car is blue.	 My car is green.	 My car is red.	 My car is blue.
 My car is red.	 My car is green.	 My car is pink.	 My car is black.

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: $13 \div 4 = 3$, $18 \div 12 = 6$, $12 \div 7 = 5$, $14 \div 6 = 8$, $17 \div 2 = 5$

Letters: N O I R E

The winning car is...

Clue #2: Color the Race Track

Solve each question. Circle the right answer and color in the picture. Then read the bottom.

17-9: A. 5 - red trophy, B. 6 - blue trophy, C. 7 - yellow trophy, D. 8 - green trophy

8-5: A. 1 - red flags, B. 2 - blue flags, C. 3 - yellow flags, D. 4 - green flags

12-7: A. 4 - red finish line, B. 5 - blue finish line, C. 6 - yellow finish line, D. 7 - green finish line

20-5: A. 15 - red road, B. 14 - blue road, C. 13 - yellow road, D. 12 - green road

15-7: A. 7 - red cars, B. 8 - blue cars, C. 9 - yellow cars, D. 10 - green cars

16-4: A. 10 - red traffic light, B. 8 - blue traffic light, C. 12 - yellow traffic light, D. 13 - green traffic light

Clue #3: Right or Wrong?

Color the flag green if the answer is correct. Color the flag red if it's wrong.

$5+4$	$10+7$	$8+3$
$9+7$	$3+2$	$5+9$
$11+6$	$5+4$	$6+4$

Clue #4: Red Light Green Light

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

$90 \div 9 = 10$ A	$49 \div 7 = 7$ E	$14 \div 7 = 2$ L
$24 \div 8 = 3$ L	$40 \div 5 = 8$ N	$48 \div 8 = 6$ J
$50 \div 10 = 5$ M	$5 \div 5 = 1$ J	$20 \div 5 = 4$ N

Color these answers RED: 1, 2, 3, 4, 5, 7, 8, 10

What letter is not red? Write it on the line.

The winner's name starts with the letter J.

Clue #5: Find It!

Begin at the START box. Circle right answers. Cross out wrong ones. Drive through the maze by following the CORRECT answers and the mystery phrase will be revealed.

$8 \div 4 = 2$	$3 \times 7 = 22$	$35 \div 7 = 6$	$4 \times 5 = 21$
$9 \times 5 = 45$	$27 \div 9 = 3$	$8 \times 6 = 48$	$15 \div 3 = 5$
$72 \div 8 = 8$	$4 \times 10 = 40$	$42 \div 6 = 7$	$7 \times 9 = 63$

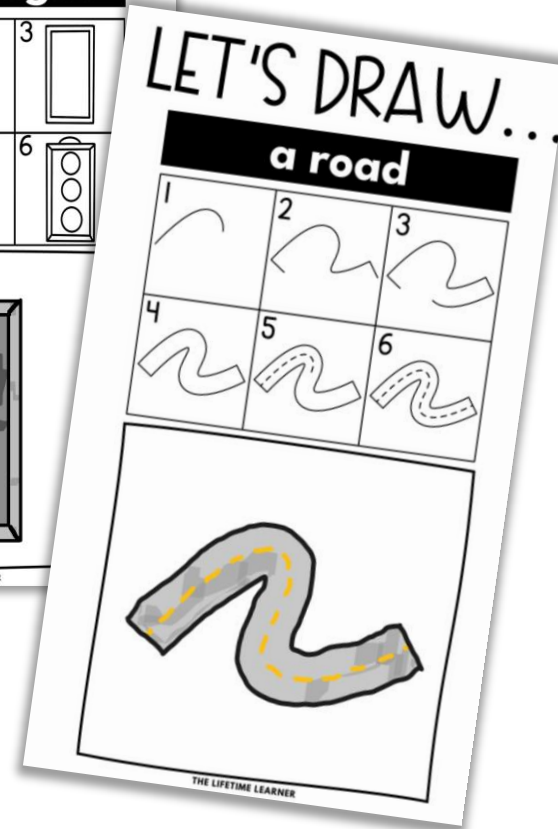
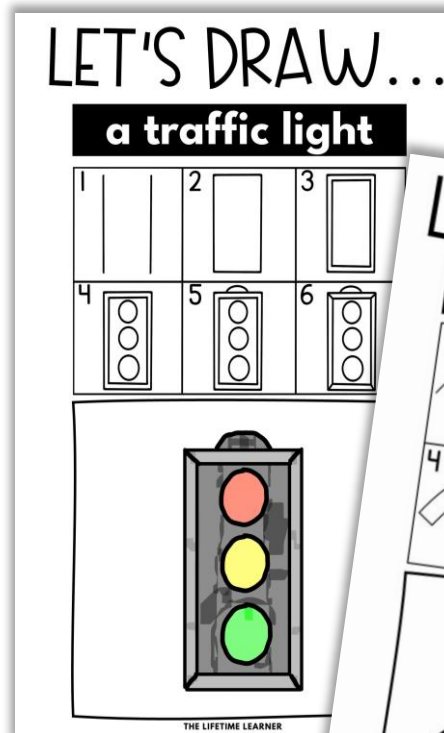
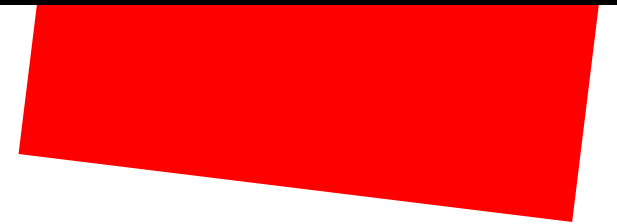
What words did you circle? Write the phrase on the line. Cross the wrong race car off your list.

The winner is not near a traffic light

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: Red Light Green Light

Find what the missing side length is. Put the correct answer in each circle. Then, read what to do at the bottom.

Problem	Answer
3 ft by 7 ft (Area: 21 ft ²)	3
? ft by 9 ft (Area: 36 ft ²)	4
10 ft by 8 ft (Area: 80 ft ²)	8
14 ft by ? ft (Area: 14 ft ²)	1
9 ft by 8 ft (Area: 72 ft ²)	9
12 ft by ? ft (Area: 132 ft ²)	11
? ft by 9 ft (Area: 45 ft ²)	5
Area: 16 ft ² by 8 ft (? ft)	2
6 ft by 7 ft (Area: 42 ft ²)	6

Color these answers RED: 3, 4, 5, 6, 7, 8, 9, 12

What letter is not red? Write it on the line.

The winner's name starts with the letter J.

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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Clue #5: Find It!
Begin at the START box. Look at what the ? is equal to. Circle right answers. Cross out wrong ones.
Drive through the maze by following the CORRECT answers and the mystery phrase will be revealed.

The Detective Agency sends congratulations to:
Lindsay
You solved the mystery!
11/2
Date: Presented by:

Who Won the Race?
Figure out who won the big race by solving each clue.

solve the mystery
The Case of the Big Race

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: Descrambler

Look at the picture. Match it to a verb below. Write the letter next to each race car on each line. When the letters are unscrambled, they will make up the clue.

 Many drivers will try	 If the track is wet, the car might skid around the corner.	 The fans watched the cars race at the checkered flag.	 The mechanic will tighten the bolts on the wheel before the race.
 If the driver is not careful, the car could spin into the wall.	 After a breakdown, the crew needs to repair the car quickly.	 When the driver wins first place, the whole team will cheer.	 The crowd will crash for their favorite driver as they race by.

The winner's car is:

N	O	T	G	R	E	E	N
spin	repair	cheer	finish	celebrate	tighten	compete	crash







THE LIFETIME LEARNER

Example of Clue 1

Math



























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 6 cm	 2 cm	 8 cm	 4 cm	 7 cm	 10 cm
Answers: 4 cm	2 cm	8 cm	6 cm	10 cm	7 cm
8 cm	7 cm	5 cm	?	6 cm	4 cm
Area: 32 cm ²	Area: 14 cm ²	Area: 40 cm ²	Area: 54 cm ²	Area: 60 cm ²	Area: 28 cm ²
s: N	?	T	R	E	D

The winning car is...

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 LIFETIME LEARNER

KEEP THE FUN GOING!

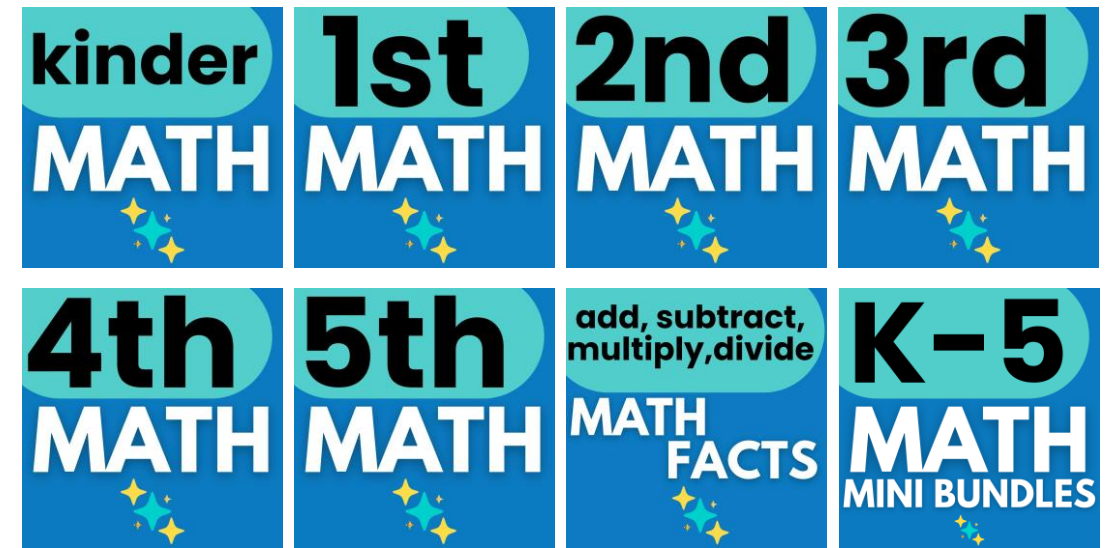
GRAB A READING MYSTERY:

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!

