WHAT IS THIS?

solve the mystery

The Case of the Big Race

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.

Clue #2: Color the Race Track
Solve each question. Circle the right answer and color in the picture. Then read the bottom.

Where is Point A located?
A. 0.16
B. 0.40
C. 0.36
D. 0.46

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

| 3x1/10 + 5x1/100 | 9x1/100 | 2x1/10 + 1x1/10 |

Clue #4: Red Light Green Light
Write each fraction as a decimal. Put the correct answer in each circle. Then, read what to do at the bottom.

| 60/100 | 4/100 | 56/100 |
| 0.6 | 0.04 | 0.56 |

Clue #5: Find It!
Begin at the START box. Decide if each word form matches the decimal in standard form. Circle right answers. Cross out wrong ones. Drive through the maze by following the CORRECT answers and the mystery phrase will be revealed.

the	near	the	bottom
Fifty-six hundredths 0.56	Eight tenths 0.08 **0.8**	Three tenths 0.03 **0.3**	Two hundredths 0.2 **0.02**
winner		is	a	traffic
Four tenths 0.4	Ninety-two hundredths 0.92	Seven tenths 0.7	Sixty-two hundredths 0.62
green		not	near	light
Twenty-seven hundredths 0.72 **0.27**	Forty-eight hundredths 0.48	Three hundredths 0.03	Nine tenths 0.9

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

THE LIFETIME LEARNER

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

| My car is blue. 1 Ji | My car is green. 2 Milo | My car is red. 3 Andres | 4 Luna |
| My car is red. 5 Leo | My car is green. 6 Jada | My car is pink. 7 Eve | My car is black. 8 Nobu |

Name:

THE LIFETIME LEARNER

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

HOW TO PLAY
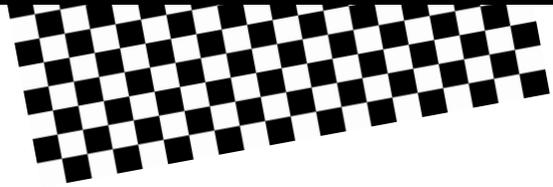
What Happened?

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

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

0.07   0.47   0.7   0.04   0.74   0.4

Answers: 0.04   0.47   0.7   0.07   0.4   0.74

Letters: N   O   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

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 Andres   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:

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

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.

0.07   0.47   0.74   0.4

Answers: 0.04   0.47

Letters: N   D

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

0.1   0.2   0.3   0.4   0.5

Where is Point A located?
A. 0.16 – red trophy
B. 0.40 – blue trophy
C. 0.36 – yellow trophy
D. 0.46 – green trophy

Where is Point B located?
A. 0.33 – red flags
B. 0.41 – blue flags
C. 0.14 – yellow flags
D. 0.04 – green flags

Where is Point C located?
A. 0.45 – red finish line
B. 0.36 – blue finish line
C. 0.14 – yellow finish line
D. 0.22 – green finish line

0.6   0.7   0.8   0.9   1.0

Where is Point D located?
A. 0.79 – red road
B. 0.46 – blue road
C. 0.81 – yellow road
D. 0.60 – green road

Where is Point E located?
A. 0.91 – red cars
B. 0.93 – blue cars
C. 0.88 – yellow cars
D. 0.79 – green cars

Where is Point F located?
A. 0.79- red traffic light
B. 0.46 – blue traffic light
C. 0.64 – yellow traffic light
D. 0.60 – 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
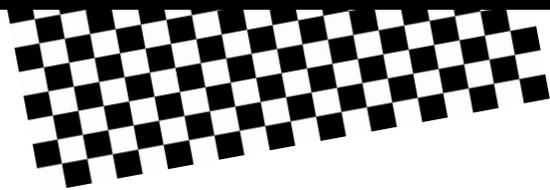- Blue finish line
- Red road
- Blue cars
- Yellow traffic light

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

$5 \times 1/100$

$9 \times 1/100$

$2 \times 1/10 + 1 \times 1/10$
0.21 **0.3**
$6 \times 1/10 + 3 \times 1/100$
0.36 **0.63**
$5 \times 1/10 + 2 \times 1/10$
0.52 **0.7**

flags.

- Read & Write Decimals (Numbers 0.0 to 1.0)
- Race Car-Themed
- Error Analysis Practice

All clues focus on reviewing 4th grade skills!

MULTIPLE VERSIONS

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: Color the Race Track
Solve each question. 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.

3x1/10 + 5x1/100	9x1/100	2x1/10 + 1x1/10

3 Clue Version

Clue #4: Red Light Green Light
Write each fraction as a decimal. Put the correct answer in each circle. Then, read what to do at the bottom.

Clue #5: Find It!
Begin at the START box. Decide if each word form matches the decimal in standard form.
Circle right answers. Cross out wrong ones.
Drive through the maze by following the CORRECT answers and the mystery phrase will be revealed.

	near		the	bottom
Fifty-six hundredths 0.56	Eight tenths 0.08	Three hundredths 0.03		Two hundredths 0.02
				traffic
	Four tenths 0.4		Two hundredths 0.62	
Twenty-seven hundredths 0.72 0.27				Nine tenths 0.9

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

5 Clue Version

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.

0.07   0.47   0.7   0.04   0.74   0.4

Answers: 0.04 0.47 0.7 0.07 0.4 0.74

Letters: N O D T R

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 =	

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.

0.07   0.47   0.7   0.04   0.74   0.4

Answers: 0.04

Letters: N

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 =	

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. **1** Ji	My car is green. **2** Milo	My car is red. **3** Andres	My car is blue. **4** Luna
My car is red. **5** Leo	My car is green. **6** Jada	My car is pink. **7** Eve	My car is black. **8** Nobu

Name:

Clue #1: Picture Decoder
Write the answer on each line. Then, draw a line to each math fact. Last, use the decoder at the bottom to solve the clue.

Answers: 13 (4+9)   18 (12+6)   12 (7+5)   14 (6+8)   17 (2+15)

Letters: N O I R E

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
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

16-4
A. 10 - red traffic light
B. 11 - blue traffic light
C. 12 - yellow traffic light
D. 13 - ...

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	11
16	5	5+9
11+6	5+14	14
19		6+4
		10

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

90÷9 = 10 A
24÷8 = 3 L
50÷10 = 5 M

49÷7 = 7 E
40÷5 = 8 N
5÷5 = 1 I

14÷7 = 2 T
48÷8 = 6
20÷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.

the	near	the	bottom
8÷4=2	3x7=22	35÷7=6	4x5=21
winner	is	a	traffic
9x5=45	27÷9=3	8x6=48	15÷3=5
green	not	near	light
72÷8=8	4x10=40	42÷6=7	7x9=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!
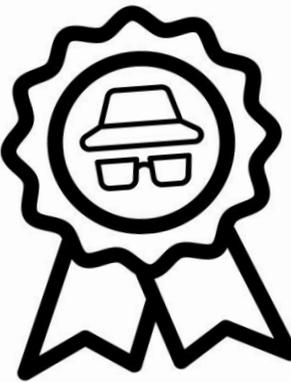
FAST FINISHER ACTIVITY

The Detective Agency sends congratulations to:
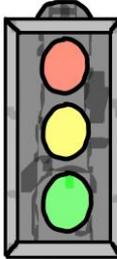
Lindsay

You solved the mystery!

11/2

Date

AW

Presented by:

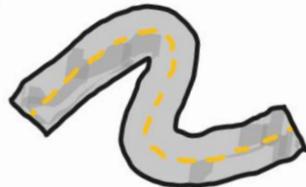THE LIFETIME LEARNER

LET'S DRAW...
a traffic light

THE LIFETIME LEARNER

LET'S DRAW...
a road

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: Red Light Green Light

Write each fraction as a decimal. Put the correct answer in each circle. Then, read what to do at the bottom.

60/100 0.6 A	4/100 0.04 E	56/100 0.56 L
28/100 0.28 L	75/100 0.75 N	82/100 0.82 J
5/100 0.05 M	6/100 0.06 J	44/100 0.44 N

Color these answers RED:
0.44, 0.04, 0.05, 0.56,
0.6, 0.06, 0.75, 0.28
What letter is not red? Write it on the line.

The winner's name starts with the letter _____ J _____.

THE LIFETIME LEARNER

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!
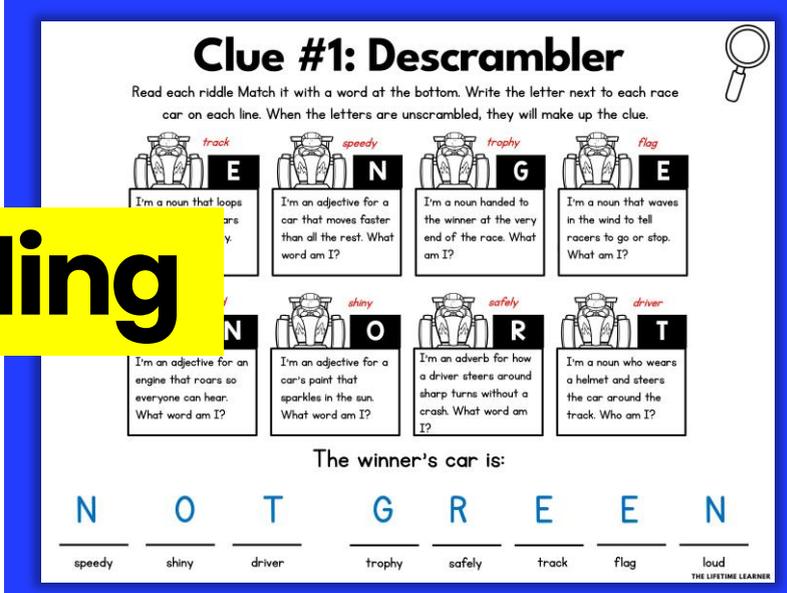
WHAT MAKES MATH MYSTERIES UNIQUE?

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

Example of Clue 1

Math

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!

- CVC WORDS
- kinder PHONICS
- 1st PHONICS
- 2nd PHONICS
- GRADES 2-3 GRAMMAR
- PARTS OF SPEECH REVIEWS
- GRADES 4-5 GRAMMAR

EXPLORE 30 UNIQUE MYSTERIES

MORE MATH MYSTERIES:

Explore other grade levels to differentiate and keep every student engaged.

- kinder MATH
- 1st MATH
- 2nd MATH
- 3rd MATH
- 4th MATH
- 5th MATH
- add, subtract, multiply, divide MATH FACTS
- K-5 MATH MINI BUNDLES

BUY A BUNDLE TO SAVE BIG!

MATH MYSTERIES 4TH GRADE
30 THEMES
The Suspect List
Dragon Fairy Gnome Unicorn
Wizard Monster Witch Troll
THE BUNDLE