



The Daytona Brickway Heist

Grade 5 math · Addition, Subtraction, Place value, Multiplication, Fractions of a number · Reading level grades 5-6

Detective: _____ Date: _____

A mystery driver has hacked the Roblox Daytona leaderboard and stolen the golden piston trophy right from the winner's podium!

1. Solve each math problem. The answer is a number, and the letter beside it is what that number stands for.
2. In the clue boxes, write that letter in every box showing the same number, then read the secret clue.
3. Use each clue to cross suspects off the list. The one suspect left at the end is the culprit!

My answer: the Rogue Racer is _____

Possible suspects

Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	PRIMARY MOD	CUSTOM DECAL	STEERING GRIP	HELMET COLOR	TRACK HAZARD
BrickBurner	Turbo Intake	Carbon Fiber	Left Handed Grip	Blue Helmet	Loose Gravel
DaytonaDave	V8 Block Engine	Lightning Stripes	Left Handed Grip	Blue Helmet	Loose Gravel
Shedletsky	Nitro Boost	Gold Trim	Left Handed Grip	Blue Helmet	Loose Gravel
DenisDaily	Turbo Intake	Checker Pattern	Right Handed Grip	Red Helmet	Banana Peel
Linkmon99	Nitro Boost	Checker Pattern	Left Handed Grip	Blue Helmet	Loose Gravel
VectorVal	Turbo Intake	Flame Paint	Left Handed Grip	Red Helmet	Slick Oil
SpitfireSam	V8 Block Engine	Flame Paint	Left Handed Grip	Blue Helmet	Banana Peel
PistonPete	Nitro Boost	Lightning Stripes	Left Handed Grip	Blue Helmet	Loose Gravel
DefaultGuest	Sponge Tires	Lightning Stripes	Left Handed Grip	Red Helmet	Slick Oil
Asimo3089	Nitro Boost	Checker Pattern	Right Handed Grip	Green Helmet	Slick Oil
SpeedyBlock	Sponge Tires	Gold Trim	Left Handed Grip	Blue Helmet	Loose Gravel
KreekCraft	V8 Block Engine	Checker Pattern	Left Handed Grip	Green Helmet	Banana Peel
Builderman	Nitro Boost	Carbon Fiber	Left Handed Grip	Red Helmet	Loose Gravel
DriftDrew	V8 Block Engine	Flame Paint	Right Handed Grip	Blue Helmet	Banana Peel
GearboxGaby	Turbo Intake	Checker Pattern	Right Handed Grip	Blue Helmet	Loose Gravel
Lando64000	Sponge Tires	Checker Pattern	Right Handed Grip	Blue Helmet	Banana Peel
Telamon	Neon Spoiler	Checker Pattern	Left Handed Grip	Green Helmet	Loose Gravel
TurboTina	Neon Spoiler	Carbon Fiber	Left Handed Grip	Red Helmet	Banana Peel
NitroNed	Nitro Boost	Flame Paint	Left Handed Grip	Green Helmet	Loose Gravel
NoobRacer	Sponge Tires	Flame Paint	Left Handed Grip	Blue Helmet	Slick Oil
Nikilis	Nitro Boost	Gold Trim	Right Handed Grip	Blue Helmet	Loose Gravel

CLUE 1 Addition

We found the escape route and collected two sets of broken blocks to add together.

Solve each problem, then write its letter in every clue box that shows the same number.

T																T
5720	4300	9372	4534	7307	3634	3634	8460	7307	3554	7541	9502	9372	7502	3554	9502	5720

				T						T				
4300	8460	4534	9372	5720	4300	9372	6905	9502	3634	7541	5720	2075	7307	4228

$3501 + 2219 = \square \rightarrow \text{T}$	$1369 + 706 = \square \rightarrow \text{R}$	$4472 + 2835 = \square \rightarrow \text{I}$
$4560 + 2942 = \square \rightarrow \text{S}$	$1866 + 2434 = \square \rightarrow \text{H}$	$1424 + 2804 = \square \rightarrow \text{M}$
$2383 + 1171 = \square \rightarrow \text{N}$	$4148 + 5224 = \square \rightarrow \text{E}$	$2516 + 2018 = \square \rightarrow \text{V}$
$2433 + 1201 = \square \rightarrow \text{L}$	$3950 + 3591 = \square \rightarrow \text{D}$	$5757 + 3745 = \square \rightarrow \text{O}$
$2884 + 5576 = \square \rightarrow \text{A}$	$3853 + 3052 = \square \rightarrow \text{G}$	

Scratch space:

CLUE 2
Subtraction

The track safety team measured the leaking fuel tank to see how many gallons were lost.

Solve each problem, then write its letter in every clue box that shows the same number.

T															T		
4064	2411	3774	2906	7519	6059	4504	3774	7519	4198	7519	6059	8289	8912	4064	2411	3774	

			T				
8123	3774	3841	4064	8912	6059	2906	3774

$8726 - 4662 = \boxed{} \rightarrow \boxed{T}$

$4686 - 845 = \boxed{} \rightarrow \boxed{F}$

$6121 - 1617 = \boxed{} \rightarrow \boxed{V}$

$11087 - 2798 = \boxed{} \rightarrow \boxed{P}$

$9871 - 3812 = \boxed{} \rightarrow \boxed{I}$

$6186 - 1988 = \boxed{} \rightarrow \boxed{G}$

$12727 - 4604 = \boxed{} \rightarrow \boxed{L}$

$3898 - 124 = \boxed{} \rightarrow \boxed{E}$

$5089 - 2678 = \boxed{} \rightarrow \boxed{H}$

$12323 - 3411 = \boxed{} \rightarrow \boxed{S}$

$7735 - 4829 = \boxed{} \rightarrow \boxed{D}$

$11550 - 4031 = \boxed{} \rightarrow \boxed{R}$

Scratch space:

CLUE 3

Place value

The digital scoreboard glitched and we need to check the value of the digit in the tens place.

Solve each problem, then write its letter in every clue box that shows the same number.

L										L												
700	100	100	200	400	30	80	70	60	400	700	200	700	100	8000	200	4000	9000	1000	200			
80	70	5000	400	80	7000	100	8000	500														

What is the value of the 7 in 308,714? → **L**

What is the value of the 8 in 661,081? → **R**

What is the value of the 4 in 94,837? → **T**

What is the value of the 6 in 747,963? → **V**

What is the value of the 1 in 542,129? → **O**

What is the value of the 2 in 156,234? → **S**

What is the value of the 3 in 11,032? → **G**

What is the value of the 9 in 49,075? → **H**

What is the value of the 8 in 498,014? → **W**

What is the value of the 7 in 17,848? → **D**

What is the value of the 5 in 185,900? → **C**

What is the value of the 1 in 371,230? → **I**

What is the value of the 7 in 511,879? → **A**

What is the value of the 4 in 901,419? → **E**

What is the value of the 5 in 199,579? → **N**

Scratch space:

CLUE 4
Multiplication facts (1-12)

The suspect ran through rows of spare tire stacks and we must multiply the rows to count them.

Solve each problem, then write its letter in every clue box that shows the same number.

B																		
81	100	25	50	54	50	100	63	50	2	6	77	16	16	50	50	30	77	2
2	54	50	16	90	50	30	50											

$9 \times 9 = \square \rightarrow$ B	$5 \times 5 = \square \rightarrow$ U	$4 \times 4 = \square \rightarrow$ S	$11 \times 7 = \square \rightarrow$ A
$6 \times 9 = \square \rightarrow$ H	$6 \times 5 = \square \rightarrow$ N	$10 \times 10 = \square \rightarrow$ L	
$10 \times 5 = \square \rightarrow$ E	$7 \times 9 = \square \rightarrow$ M	$3 \times 2 = \square \rightarrow$ W	
$10 \times 9 = \square \rightarrow$ C	$2 \times 1 = \square \rightarrow$ T		

Scratch space:

CLUE 5**Fractions of a number - the last clue**

We interviewed the pit crew but only a fraction of them saw which way the suspect went.

First solve each problem. Then find each answer in the numbered list below and cross that sentence out. One sentence will be left - that is exactly what the villain did!

Step 1 - solve these:

$1/8 \text{ of } 80 = \boxed{}$

$1/2 \text{ of } 24 = \boxed{}$

$1/8 \text{ of } 24 = \boxed{}$

$2/4 \text{ of } 12 = \boxed{}$

$2/3 \text{ of } 6 = \boxed{}$

$3/6 \text{ of } 14 = \boxed{}$

$1/5 \text{ of } 55 = \boxed{}$

$1/8 \text{ of } 72 = \boxed{}$

$3/6 \text{ of } 2 = \boxed{}$

$2/8 \text{ of } 32 = \boxed{}$

$4/8 \text{ of } 10 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain opened the turbo intake, then polished the gold trim.
2. The villain burned the nitro boost, then showed off the checker pattern.
3. The villain opened the turbo intake, then buffed the carbon fiber.
4. The villain opened the turbo intake, then showed off the checker pattern.
5. The villain tilted the neon spoiler, then polished the gold trim.
6. The villain burned the nitro boost, then buffed the carbon fiber.
7. The villain activated the sponge tires, then showed off the checker pattern.
8. The villain activated the sponge tires, then polished the gold trim.
9. The villain burned the nitro boost, then polished the gold trim.
10. The villain revved the block engine, then flashed the lightning stripes.
11. The villain activated the sponge tires, then shined the flame paint.
12. The villain burned the nitro boost, then flashed the lightning stripes.

Answer Key

The Daytona Brickway Heist

Culprit: Linkmon99

Nitro Boost · Checker Pattern · Left Handed Grip · Blue Helmet · Loose Gravel

Trail: Start 21 → Clue 1 18 → Clue 2 13 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE VILLAIN DOES NOT HAVE THE GOLD TRIM"

$3501 + 2219 = 5720$ (T) · $1369 + 706 = 2075$ (R) · $4472 + 2835 = 7307$ (I) · $4560 + 2942 = 7502$ (S) · $1866 + 2434 = 4300$ (H) · $1424 + 2804 = 4228$ (M) · $2383 + 1171 = 3554$ (N) · $4148 + 5224 = 9372$ (E) · $2516 + 2018 = 4534$ (V) · $2433 + 1201 = 3634$ (L) · $3950 + 3591 = 7541$ (D) · $5757 + 3745 = 9502$ (O) · $2884 + 5576 = 8460$ (A) · $3853 + 3052 = 6905$ (G)

Clue 2 (Subtraction): "THE DRIVER GRIPS THE LEFT SIDE"

$8726 - 4662 = 4064$ (T) · $4686 - 845 = 3841$ (F) · $6121 - 1617 = 4504$ (V) · $11087 - 2798 = 8289$ (P) · $9871 - 3812 = 6059$ (I) · $6186 - 1988 = 4198$ (G) · $12727 - 4604 = 8123$ (L) · $3898 - 124 = 3774$ (E) · $5089 - 2678 = 2411$ (H) · $12323 - 3411 = 8912$ (S) · $7735 - 4829 = 2906$ (D) · $11550 - 4031 = 7519$ (R)

Clue 3 (Place value): "LOOSE GRAVEL SLOWS THIS RACER DOWN"

What is the value of the 7 in 308,714? = 700 (L) · What is the value of the 8 in 661,081? = 80 (R) · What is the value of the 4 in 94,837? = 4000 (T) · What is the value of the 6 in 747,963? = 60 (V) · What is the value of the 1 in 542,129? = 100 (O) · What is the value of the 2 in 156,234? = 200 (S) · What is the value of the 3 in 11,032? = 30 (G) · What is the value of the 9 in 49,075? = 9000 (H) · What is the value of the 8 in 498,014? = 8000 (W) · What is the value of the 7 in 17,848? = 7000 (D) · What is the value of the 5 in 185,900? = 5000 (C) · What is the value of the 1 in 371,230? = 1000 (I) · What is the value of the 7 in 511,879? = 70 (A) · What is the value of the 4 in 901,419? = 400 (E) · What is the value of the 5 in 199,579? = 500 (N)

Clue 4 (Multiplication facts (1-12)): "BLUE HELMET WAS SEEN AT THE SCENE"

$9 \times 9 = 81$ (B) · $5 \times 5 = 25$ (U) · $4 \times 4 = 16$ (S) · $11 \times 7 = 77$ (A) · $6 \times 9 = 54$ (H) · $6 \times 5 = 30$ (N) · $10 \times 10 = 100$ (L) · $10 \times 5 = 50$ (E) · $7 \times 9 = 63$ (M) · $3 \times 2 = 6$ (W) · $10 \times 9 = 90$ (C) · $2 \times 1 = 2$ (T)

Clue 5 (Fractions of a number): surviving statement is box 2 → Linkmon99

$1/8$ of 80 = 10 · $1/2$ of 24 = 12 · $1/8$ of 24 = 3 · $2/4$ of 12 = 6 · $2/3$ of 6 = 4 · $3/6$ of 14 = 7 · $1/5$ of 55 = 11 · $1/8$ of 72 = 9 · $3/6$ of 2 = 1 · $2/8$ of 32 = 8 · $4/8$ of 10 = 5