



The Case of the Goal Snatcher

Grade 3 math · Place value, Addition, Subtraction, Multiplication, Division · Reading level grades 3-4

Detective: _____ **Date:** _____

It was the final whistle, and the Sunburst Strikers had just won the cup. But when the team turned around, their captain was gone, and so was the Golden Boot trophy. Now it's up to you to track down the sneaky Goal Snatcher before the next kickoff.

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 Goal Snatcher is _____

Possible suspects

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

NAME	SIGNATURE MOVE	SECRET SKILL	PLAYER	CLEAT COLOR	WEAKNESS
Pele Park	Rocket Volley	Nutmeg Trick	girl	blue	ticklish
Zane Zigzag	Slide Tackle	Spin Move	boy	blue	slips on wet grass
Nina Header	Bicycle Kick	Diving Save	girl	blue	slips on wet grass
Sam Kickwell	Header	Diving Save	girl	blue	scared of mascots
Cleo Dash	Header	Spin Move	girl	red	slips on wet grass
Penny Penalty	Header	Backflip Kick	girl	yellow	scared of mascots
Lola Sprint	Slide Tackle	Nutmeg Trick	girl	yellow	ticklish
Mia Strikes	Bicycle Kick	Spin Move	girl	yellow	scared of mascots
Theo Volley	Rocket Volley	Diving Save	girl	yellow	ticklish
Daisy Dribble	Header	Spin Move	girl	red	scared of mascots
Felix Footwork	Bicycle Kick	Backflip Kick	girl	yellow	ticklish
Reggie Roundhouse	Curve Shot	Nutmeg Trick	girl	blue	slips on wet grass
Gigi Goalpost	Slide Tackle	Long Throw	girl	red	scared of mascots
Bella Bounce	Header	Long Throw	girl	red	slips on wet grass
Tessa Tackle	Curve Shot	Long Throw	girl	red	scared of mascots
Marco Midfield	Header	Backflip Kick	boy	red	scared of mascots
Mila Midkick	Rocket Volley	Diving Save	girl	red	scared of mascots
Diego Boot	Rocket Volley	Spin Move	girl	blue	slips on wet grass
Leo Goalson	Header	Backflip Kick	girl	yellow	slips on wet grass
Max Netter	Bicycle Kick	Diving Save	boy	yellow	slips on wet grass
Oscar Offside	Slide Tackle	Nutmeg Trick	girl	red	scared of mascots

CLUE 1
Place value (tens & ones)

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

T			T											T			
86	62	47	86	62	95	47	70	84	98	92	92	44	86	90	44	98	
90	95	66	95	92	28	97	98	66	47								

What number has 8 tens and 6 ones?

→ **T**

What number has 6 tens and 2 ones?

→ **H**

What number has 4 tens and 7 ones?

→ **E**

What number has 9 tens and 5 ones?

→ **I**

What number has 7 tens and 0 ones?

→ **F**

What number has 8 tens and 4 ones?

→ **C**

What number has 9 tens and 8 ones?

→ **A**

What number has 9 tens and 2 ones?

→ **N**

What number has 4 tens and 4 ones?

→ **O**

What number has 9 tens and 0 ones?

→ **D**

What number has 6 tens and 6 ones?

→ **V**

What number has 2 tens and 8 ones?

→ **G**

What number has 9 tens and 7 ones?

→ **S**

Scratch space:

CLUE 2
Addition

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

A									A		A							
95	48	98	85	32	62	25	25	25	95	48	95	45	98	36	56	36	24	32
50	28	28	85	59	62	28	98	62	56	68								

$46 + 49 = \square \rightarrow \boxed{\text{A}}$

$21 + 27 = \square \rightarrow \boxed{\text{W}}$

$63 + 35 = \square \rightarrow \boxed{\text{I}}$

$27 + 58 = \square \rightarrow \boxed{\text{T}}$

$9 + 23 = \square \rightarrow \boxed{\text{N}}$

$40 + 22 = \square \rightarrow \boxed{\text{E}}$

$17 + 8 = \square \rightarrow \boxed{\text{S}}$

$21 + 24 = \square \rightarrow \boxed{\text{G}}$

$14 + 22 = \square \rightarrow \boxed{\text{R}}$

$16 + 40 = \square \rightarrow \boxed{\text{L}}$

$7 + 17 = \square \rightarrow \boxed{\text{U}}$

$30 + 20 = \square \rightarrow \boxed{\text{O}}$

$8 + 20 = \square \rightarrow \boxed{\text{F}}$

$26 + 33 = \square \rightarrow \boxed{\text{H}}$

$39 + 29 = \square \rightarrow \boxed{\text{D}}$

Scratch space:

CLUE 3

Subtraction

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

A																			
67	24	71	25	70	67	77	85	79	81	77	85	67	64	62	11	81	49	62	

81	49	71	62	17	67	51	67	46

$86 - 19 = \boxed{} \rightarrow \boxed{\text{A}}$

$31 - 7 = \boxed{} \rightarrow \boxed{\text{B}}$

$77 - 6 = \boxed{} \rightarrow \boxed{\text{I}}$

$46 - 21 = \boxed{} \rightarrow \boxed{\text{G}}$

$80 - 10 = \boxed{} \rightarrow \boxed{\text{M}}$

$88 - 11 = \boxed{} \rightarrow \boxed{\text{S}}$

$91 - 6 = \boxed{} \rightarrow \boxed{\text{C}}$

$80 - 1 = \boxed{} \rightarrow \boxed{\text{O}}$

$109 - 28 = \boxed{} \rightarrow \boxed{\text{T}}$

$75 - 11 = \boxed{} \rightarrow \boxed{\text{R}}$

$94 - 32 = \boxed{} \rightarrow \boxed{\text{E}}$

$20 - 9 = \boxed{} \rightarrow \boxed{\text{D}}$

$58 - 9 = \boxed{} \rightarrow \boxed{\text{H}}$

$26 - 9 = \boxed{} \rightarrow \boxed{\text{F}}$

$73 - 22 = \boxed{} \rightarrow \boxed{\text{W}}$

$69 - 23 = \boxed{} \rightarrow \boxed{\text{Y}}$

Scratch space:

CLUE 4
Multiplication facts (1-12)

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

R										R									R	
66	81	4	28	12	81	144	3	20	66	18	27	3	64	5	81	66	81			
12	81	84	3	22	70	3	24	81	25	8	144	12								

$6 \times 11 = \square \rightarrow$ R	$9 \times 9 = \square \rightarrow$ E	$4 \times 1 = \square \rightarrow$ D	$4 \times 7 = \square \rightarrow$ C
$12 \times 1 = \square \rightarrow$ L	$12 \times 12 = \square \rightarrow$ A	$1 \times 3 = \square \rightarrow$ T	
$2 \times 10 = \square \rightarrow$ P	$9 \times 2 = \square \rightarrow$ I	$9 \times 3 = \square \rightarrow$ N	$8 \times 8 = \square \rightarrow$ S
$5 \times 1 = \square \rightarrow$ W	$12 \times 7 = \square \rightarrow$ F	$2 \times 11 = \square \rightarrow$ B	
$10 \times 7 = \square \rightarrow$ Y	$4 \times 6 = \square \rightarrow$ H	$5 \times 5 = \square \rightarrow$ G	$2 \times 4 = \square \rightarrow$ O

Scratch space:

CLUE 5**Division facts (1-12) - the last clue**

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:

$48 \div 4 = \boxed{}$

$9 \div 3 = \boxed{}$

$120 \div 12 = \boxed{}$

$110 \div 10 = \boxed{}$

$30 \div 6 = \boxed{}$

$36 \div 6 = \boxed{}$

$16 \div 2 = \boxed{}$

$21 \div 3 = \boxed{}$

$8 \div 4 = \boxed{}$

$81 \div 9 = \boxed{}$

$12 \div 3 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain powers in a header at the door, then spins past the goalie and bolts.
2. The villain blasts a bicycle kick over the bench, then makes a diving save by the gate.
3. The villain bends a curve shot past the guards, then hurls a long throw over the wall.
4. The villain slides in with a sneaky tackle, then lands a backflip kick on the way out.
5. The villain fires a rocket volley down the hall, then spins past the goalie and bolts.
6. The villain blasts a bicycle kick over the bench, then spins past the goalie and bolts.
7. The villain blasts a bicycle kick over the bench, then hurls a long throw over the wall.
8. The villain powers in a header at the door, then makes a diving save by the gate.
9. The villain powers in a header at the door, then nutmegs the security guard.
10. The villain slides in with a sneaky tackle, then nutmegs the security guard.
11. The villain fires a rocket volley down the hall, then lands a backflip kick on the way out.
12. The villain slides in with a sneaky tackle, then hurls a long throw over the wall.

Answer Key

The Case of the Goal Snatcher

Culprit: Daisy Dribble

Header · Spin Move · girl · red · scared of mascots

Trail: Start 21 → Clue 1 16 → Clue 2 14 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Place value (tens & ones)): "THE THIEF CANNOT DO A DIVING SAVE"

What number has 8 tens and 6 ones? = 86 (T) · What number has 6 tens and 2 ones? = 62 (H) · What number has 4 tens and 7 ones? = 47 (E) · What number has 9 tens and 5 ones? = 95 (I) · What number has 7 tens and 0 ones? = 70 (F) · What number has 8 tens and 4 ones? = 84 (C) · What number has 9 tens and 8 ones? = 98 (A) · What number has 9 tens and 2 ones? = 92 (N) · What number has 4 tens and 4 ones? = 44 (O) · What number has 9 tens and 0 ones? = 90 (D) · What number has 6 tens and 6 ones? = 66 (V) · What number has 2 tens and 8 ones? = 28 (G) · What number has 9 tens and 7 ones? = 97 (S)

Clue 2 (Addition): "A WITNESS SAW A GIRL RUN OFF THE FIELD"

$46 + 49 = 95$ (A) · $21 + 27 = 48$ (W) · $63 + 35 = 98$ (I) · $27 + 58 = 85$ (T) · $9 + 23 = 32$ (N) · $40 + 22 = 62$ (E) · $17 + 8 = 25$ (S) · $21 + 24 = 45$ (G) · $14 + 22 = 36$ (R) · $16 + 40 = 56$ (L) · $7 + 17 = 24$ (U) · $30 + 20 = 50$ (O) · $8 + 20 = 28$ (F) · $26 + 33 = 59$ (H) · $39 + 29 = 68$ (D)

Clue 3 (Subtraction): "A BIG MASCOT SCARED THE THIEF AWAY"

$86 - 19 = 67$ (A) · $31 - 7 = 24$ (B) · $77 - 6 = 71$ (I) · $46 - 21 = 25$ (G) · $80 - 10 = 70$ (M) · $88 - 11 = 77$ (S) · $91 - 6 = 85$ (C) · $80 - 1 = 79$ (O) · $109 - 28 = 81$ (T) · $75 - 11 = 64$ (R) · $94 - 32 = 62$ (E) · $20 - 9 = 11$ (D) · $58 - 9 = 49$ (H) · $26 - 9 = 17$ (F) · $73 - 22 = 51$ (W) · $69 - 23 = 46$ (Y)

Clue 4 (Multiplication facts (1-12)): "RED CLEAT PRINTS WERE LEFT BY THE GOAL"

$6 \times 11 = 66$ (R) · $9 \times 9 = 81$ (E) · $4 \times 1 = 4$ (D) · $4 \times 7 = 28$ (C) · $12 \times 1 = 12$ (L) · $12 \times 12 = 144$ (A) · $1 \times 3 = 3$ (T) · $2 \times 10 = 20$ (P) · $9 \times 2 = 18$ (I) · $9 \times 3 = 27$ (N) · $8 \times 8 = 64$ (S) · $5 \times 1 = 5$ (W) · $12 \times 7 = 84$ (F) · $2 \times 11 = 22$ (B) · $10 \times 7 = 70$ (Y) · $4 \times 6 = 24$ (H) · $5 \times 5 = 25$ (G) · $2 \times 4 = 8$ (O)

Clue 5 (Division facts (1-12)): surviving statement is box 1 → Daisy Dribble

$48 \div 4 = 12$ · $9 \div 3 = 3$ · $120 \div 12 = 10$ · $110 \div 10 = 11$ · $30 \div 6 = 5$ · $36 \div 6 = 6$ · $16 \div 2 = 8$ · $21 \div 3 = 7$ · $8 \div 4 = 2$ · $81 \div 9 = 9$ · $12 \div 3 = 4$