



# The Case of the Pitch Prowler

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

Detective: \_\_\_\_\_ Date: \_\_\_\_\_

At the big championship at Sunshine Stadium, the star goalkeeper went missing right before kickoff. A sneaky thief called the Pitch Prowler left muddy footprints by the locker room and a torn jersey on the net. It is up to you to find out who took her.

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 Pitch Prowler 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 TRICK	WITNESS SPOTTED	JERSEY COLOR	WEAKNESS
Marco	Banana Free Kick	Scissor Move	Boy	Green Jersey	Bright Lights
Theo	Bicycle Kick	Scissor Move	Boy	Green Jersey	Bright Lights
Sam	Banana Free Kick	Fake Out	Boy	Red Jersey	Muddy Field
Aria	Banana Free Kick	Long Throw	Girl	Red Jersey	Muddy Field
Felix	Banana Free Kick	Long Throw	Boy	Green Jersey	Loud Whistle
Mateo	Spinning Dribble	Nutmeg	Girl	Green Jersey	Muddy Field
Priya	Spinning Dribble	Nutmeg	Girl	Blue Jersey	Muddy Field
Lola	Bicycle Kick	Nutmeg	Girl	Green Jersey	Bright Lights
Jake	Rocket Header	Rainbow Flick	Boy	Blue Jersey	Bright Lights
Omar	Spinning Dribble	Scissor Move	Girl	Blue Jersey	Loud Whistle
Hugo	Spinning Dribble	Rainbow Flick	Girl	Green Jersey	Muddy Field
Leo	Sliding Tackle	Nutmeg	Girl	Blue Jersey	Bright Lights
Emma	Bicycle Kick	Fake Out	Girl	Green Jersey	Loud Whistle
Zara	Rocket Header	Fake Out	Boy	Green Jersey	Bright Lights
Mia	Rocket Header	Long Throw	Girl	Green Jersey	Muddy Field
Luna	Spinning Dribble	Long Throw	Boy	Green Jersey	Bright Lights
Bella	Sliding Tackle	Fake Out	Girl	Green Jersey	Muddy Field
Tess	Sliding Tackle	Rainbow Flick	Boy	Green Jersey	Bright Lights
Sofia	Spinning Dribble	Nutmeg	Boy	Blue Jersey	Loud Whistle
Ruby	Spinning Dribble	Fake Out	Boy	Green Jersey	Loud Whistle
Diego	Spinning Dribble	Scissor Move	Boy	Blue Jersey	Bright Lights



**CLUE 2** Addition

The coach dumped out the ball bags by the bench. Add up all the soccer balls to find the next clue about who the witness spotted.

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

<input type="checkbox"/> <b>A</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <b>A</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <b>A</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
420	541	266	208	722	420	308	314	464	722	328	420	429	314	314	477	464	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <b>A</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								
964	266	420	835	328	266	429	314										

149 + 271 =	<input type="checkbox"/>	<input type="checkbox"/> <b>A</b>	246 + 183 =	<input type="checkbox"/>	<input type="checkbox"/> <b>S</b>	99 + 109 =	<input type="checkbox"/>	<input type="checkbox"/> <b>Y</b>
161 + 105 =	<input type="checkbox"/>	<input type="checkbox"/> <b>O</b>	111 + 197 =	<input type="checkbox"/>	<input type="checkbox"/> <b>R</b>	254 + 581 =	<input type="checkbox"/>	<input type="checkbox"/> <b>L</b>
160 + 168 =	<input type="checkbox"/>	<input type="checkbox"/> <b>P</b>	284 + 193 =	<input type="checkbox"/>	<input type="checkbox"/> <b>H</b>	266 + 198 =	<input type="checkbox"/>	<input type="checkbox"/> <b>E</b>
312 + 652 =	<input type="checkbox"/>	<input type="checkbox"/> <b>G</b>	256 + 285 =	<input type="checkbox"/>	<input type="checkbox"/> <b>B</b>	169 + 145 =	<input type="checkbox"/>	<input type="checkbox"/> <b>T</b>
256 + 466 =	<input type="checkbox"/>	<input type="checkbox"/> <b>D</b>						

Scratch space:

**CLUE 3** Subtraction

The thief snatched some cones from the practice pile. Subtract the missing cones to uncover how a player fended the thief off.

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

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>B</b>												<b>B</b>						
300	253	455	351	371	565	132	455	351	371	565	449	300	132	455	570	466	786	466

  

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
565	371	786	565	371	455	786	368

$523 - 223 =$	<input type="checkbox"/>	<b>B</b>	$394 - 23 =$	<input type="checkbox"/>	<b>H</b>	$662 - 92 =$	<input type="checkbox"/>	<b>N</b>
$727 - 376 =$	<input type="checkbox"/>	<b>G</b>	$698 - 232 =$	<input type="checkbox"/>	<b>D</b>	$438 - 70 =$	<input type="checkbox"/>	<b>F</b>
$349 - 96 =$	<input type="checkbox"/>	<b>R</b>	$850 - 64 =$	<input type="checkbox"/>	<b>E</b>	$670 - 221 =$	<input type="checkbox"/>	<b>S</b>
$660 - 95 =$	<input type="checkbox"/>	<b>T</b>	$216 - 84 =$	<input type="checkbox"/>	<b>L</b>	$524 - 69 =$	<input type="checkbox"/>	<b>I</b>

Scratch space:

**CLUE 4**

**Multiplication facts (1-12)**

The stadium seats sit in neat rows behind the goal. Multiply the rows to reveal the color of the torn jersey.

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

<b>A</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
90	49	48	50	50	15	99	50	48	21	50	2	60	33	44	44	96	15

<input type="text"/>	<b>A</b>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<b>A</b>	<input type="text"/>	<input type="text"/>
40	90	2	110	15	44	3	50	49	48	90	21	21

$9 \times 10 =$	<input type="text"/>	<b>A</b>	$5 \times 3 =$	<input type="text"/>	<b>N</b>	$1 \times 3 =$	<input type="text"/>	<b>H</b>
$11 \times 4 =$	<input type="text"/>	<b>T</b>	$7 \times 7 =$	<input type="text"/>	<b>G</b>	$10 \times 5 =$	<input type="text"/>	<b>E</b>
$11 \times 3 =$	<input type="text"/>	<b>U</b>	$10 \times 4 =$	<input type="text"/>	<b>L</b>	$7 \times 3 =$	<input type="text"/>	<b>S</b>
$11 \times 9 =$	<input type="text"/>	<b>J</b>	$12 \times 5 =$	<input type="text"/>	<b>B</b>	$12 \times 8 =$	<input type="text"/>	<b>O</b>
$6 \times 8 =$	<input type="text"/>	<b>R</b>	$2 \times 1 =$	<input type="text"/>	<b>Y</b>	$10 \times 11 =$	<input type="text"/>	<b>I</b>

Scratch space:

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

The team needs to share the snacks evenly before the search. Divide the orange slices to find the very 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:**

$63 \div 7 = \square$

$24 \div 4 = \square$

$96 \div 8 = \square$

$36 \div 9 = \square$

$99 \div 9 = \square$

$35 \div 5 = \square$

$96 \div 12 = \square$

$60 \div 6 = \square$

$14 \div 7 = \square$

$45 \div 9 = \square$

$33 \div 11 = \square$

**Step 2 - cross out the sentence with each answer:**

1. The villain leaps into a bicycle kick, then swings a tricky scissor move.
2. The villain spins past with a fancy dribble, then throws a quick fake out.
3. The villain leaps into a bicycle kick, then throws a quick fake out.
4. The villain smashes a rocket header, then swings a tricky scissor move.
5. The villain curls a banana free kick, then flicks a rainbow over heads.
6. The villain dives into a sliding tackle, then flicks a rainbow over heads.
7. The villain curls a banana free kick, then throws a quick fake out.
8. The villain smashes a rocket header, then slips the ball through legs.
9. The villain curls a banana free kick, then swings a tricky scissor move.
10. The villain leaps into a bicycle kick, then slips the ball through legs.
11. The villain spins past with a fancy dribble, then swings a tricky scissor move.
12. The villain spins past with a fancy dribble, then hurls a long throw in.

# Answer Key

## The Case of the Pitch Prowler

### Culprit: Theo

Bicycle Kick · Scissor Move · Boy · Green Jersey · Bright Lights

Trail: Start 21 → Clue 1 16 → Clue 2 8 → Clue 3 6 → Clue 4 4 → Clue 5 1

### Clue 1 (Rounding): "THE VILLAIN CANNOT FAKE OUT"

Round 7,603 to the nearest thousand = 8000 (T) · Round 3,021 to the nearest thousand = 3000 (O) · Round 6,215 to the nearest thousand = 6000 (A) · Round 7,216 to the nearest thousand = 7000 (F) · Round 48 to the nearest ten = 50 (E) · Round 404 to the nearest hundred = 400 (C) · Round 87 to the nearest ten = 90 (I) · Round 723 to the nearest hundred = 700 (L) · Round 232 to the nearest hundred = 200 (K) · Round 2,446 to the nearest thousand = 2000 (U) · Round 68 to the nearest ten = 70 (V) · Round 330 to the nearest hundred = 300 (H) · Round 9,499 to the nearest thousand = 9000 (N)

### Clue 2 (Addition): "A BOY DARTED PAST THE GOAL POST"

$149 + 271 = 420$  (A) ·  $246 + 183 = 429$  (S) ·  $99 + 109 = 208$  (Y) ·  $161 + 105 = 266$  (O) ·  $111 + 197 = 308$  (R) ·  $254 + 581 = 835$  (L) ·  $160 + 168 = 328$  (P) ·  $284 + 193 = 477$  (H) ·  $266 + 198 = 464$  (E) ·  $312 + 652 = 964$  (G) ·  $256 + 285 = 541$  (B) ·  $169 + 145 = 314$  (T) ·  $256 + 466 = 722$  (D)

### Clue 3 (Subtraction): "BRIGHT LIGHTS BLINDED THE THIEF"

$523 - 223 = 300$  (B) ·  $394 - 23 = 371$  (H) ·  $662 - 92 = 570$  (N) ·  $727 - 376 = 351$  (G) ·  $698 - 232 = 466$  (D) ·  $438 - 70 = 368$  (F) ·  $349 - 96 = 253$  (R) ·  $850 - 64 = 786$  (E) ·  $670 - 221 = 449$  (S) ·  $660 - 95 = 565$  (T) ·  $216 - 84 = 132$  (L) ·  $524 - 69 = 455$  (I)

### Clue 4 (Multiplication facts (1-12)): "A GREEN JERSEY BUTTON LAY IN THE GRASS"

$9 \times 10 = 90$  (A) ·  $5 \times 3 = 15$  (N) ·  $1 \times 3 = 3$  (H) ·  $11 \times 4 = 44$  (T) ·  $7 \times 7 = 49$  (G) ·  $10 \times 5 = 50$  (E) ·  $11 \times 3 = 33$  (U) ·  $10 \times 4 = 40$  (L) ·  $7 \times 3 = 21$  (S) ·  $11 \times 9 = 99$  (J) ·  $12 \times 5 = 60$  (B) ·  $12 \times 8 = 96$  (O) ·  $6 \times 8 = 48$  (R) ·  $2 \times 1 = 2$  (Y) ·  $10 \times 11 = 110$  (I)

### Clue 5 (Division facts (1-12)): surviving statement is box 1 → Theo

$63 \div 7 = 9$  ·  $24 \div 4 = 6$  ·  $96 \div 8 = 12$  ·  $36 \div 9 = 4$  ·  $99 \div 9 = 11$  ·  $35 \div 5 = 7$  ·  $96 \div 12 = 8$  ·  $60 \div 6 = 10$  ·  $14 \div 7 = 2$  ·  $45 \div 9 = 5$  ·  $33 \div 11 = 3$