The Case of the Missing World Cup Trophy

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

Detective: _____ **Date:** _____

The World Cup final is tonight! But right before kickoff, someone stole the gold trophy! The Head Referee is in a panic. The thief ran across the pitch, leaving behind a trail of clues. It is up to you to solve the mystery and save the big game!

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 Trophy Thief is _____

Possible suspects

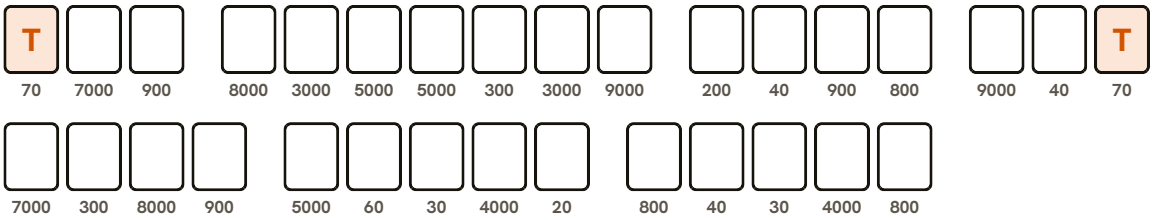
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	SIGNATURE MOVE	SPECIAL GEAR	KICKING FOOT	FIELD EVIDENCE	SCARE FACTOR
Buster Boot	Super Save	Golden Boots	Left Footed	Green Turf Fiber	Yellow Card
Billy Blaster	Power Header	Golden Boots	Left Footed	Muddy Field Grass	Loud Whistle
Sally Swerve	Power Header	Lucky Socks	Left Footed	Muddy Field Grass	Bright Flashlight
Marco Midfield	Power Header	Lucky Socks	Left Footed	Muddy Field Grass	Loud Whistle
Penny Penalty	Power Header	Water Jug	Left Footed	Red Track Dust	Loud Whistle
Striker Sam	Curving Free Kick	Lucky Socks	Right Footed	Green Turf Fiber	Yellow Card
Freddy Forward	Bicycle Kick	Golden Boots	Left Footed	Red Track Dust	Loud Whistle
Jax Jet	Super Save	Smart Watch	Left Footed	Muddy Field Grass	Bright Flashlight
Pippa Pitch	Speed Dribble	Golden Boots	Right Footed	Muddy Field Grass	Loud Whistle
Hector Header	Power Header	Smart Watch	Right Footed	Green Turf Fiber	Loud Whistle
Goalie Gabe	Speed Dribble	Lucky Socks	Left Footed	Muddy Field Grass	Yellow Card
Kylan Mappe	Power Header	Smart Watch	Left Footed	Red Track Dust	Yellow Card
Dash Dynamo	Speed Dribble	Lucky Socks	Left Footed	Red Track Dust	Yellow Card
Benji Bicycle	Bicycle Kick	Water Jug	Right Footed	Red Track Dust	Loud Whistle
Zoe Zigzag	Curving Free Kick	Water Jug	Left Footed	Muddy Field Grass	Loud Whistle
Wendy Wing	Speed Dribble	Water Jug	Left Footed	Muddy Field Grass	Loud Whistle
Leo Lino	Curving Free Kick	Golden Boots	Left Footed	Red Track Dust	Bright Flashlight
Christian Rinaldo	Power Header	Neon Headband	Left Footed	Muddy Field Grass	Loud Whistle
Tommy Turf	Power Header	Golden Boots	Left Footed	Green Turf Fiber	Bright Flashlight
Clara Corner	Power Header	Smart Watch	Right Footed	Red Track Dust	Yellow Card
Bobby Bounce	Super Save	Neon Headband	Right Footed	Muddy Field Grass	Loud Whistle

CLUE 1 Rounding

> The stadium radar counts the crowd. It only shows numbers rounded to the nearest hundred. We can round the seats to find the first clue!

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



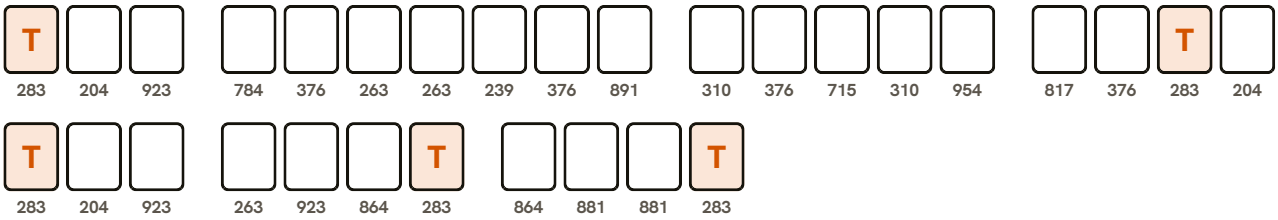
Round 73 to the nearest ten = **T**	Round 173 to the nearest hundred = **D**	Round 7,512 to the nearest thousand = **M**
Round 4,562 to the nearest thousand = **L**	Round 798 to the nearest hundred = **S**	Round 6,835 to the nearest thousand = **H**
Round 251 to the nearest hundred = **A**	Round 8,600 to the nearest thousand = **N**	Round 932 to the nearest hundred = **E**
Round 2,850 to the nearest thousand = **I**	Round 31 to the nearest ten = **C**	Round 37 to the nearest ten = **O**
Round 18 to the nearest ten = **Y**	Round 57 to the nearest ten = **U**	Round 3,934 to the nearest thousand = **K**

Scratch space:

CLUE 2 Addition

> We need to count all the extra soccer balls. Let us add the balls in the blue bag to the balls in the red bag to get our total.

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



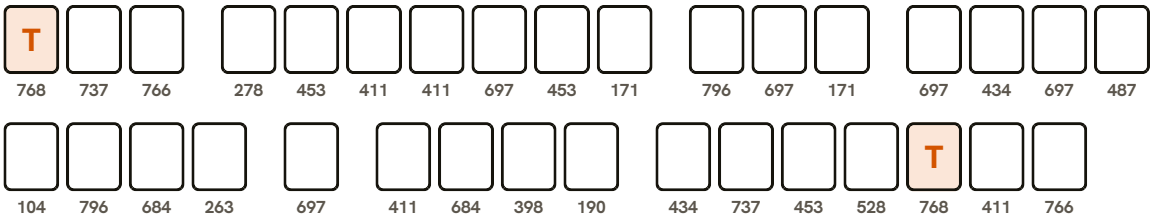
123 + 160 = ☐ T	545 + 409 = ☐ S	272 + 609 = ☐ O
338 + 479 = ☐ W	253 + 123 = ☐ I	387 + 328 = ☐ C
151 + 159 = ☐ K	303 + 588 = ☐ N	342 + 442 = ☐ V
83 + 121 = ☐ H	357 + 566 = ☐ E	106 + 133 = ☐ A
148 + 115 = ☐ L	550 + 314 = ☐ F	

Scratch space:

CLUE 3 Subtraction

> The coach had twenty energy drinks, but some went missing. We must subtract the leftover drinks to find out how many the thief took.

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



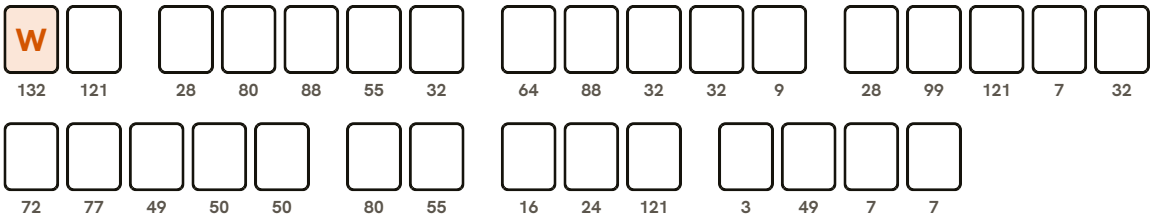
1064 - 296 = ☐ **T**	516 - 29 = ☐ **Y**	740 - 56 = ☐ **O**
514 - 251 = ☐ **M**	756 - 19 = ☐ **H**	119 - 15 = ☐ **F**
938 - 241 = ☐ **A**	780 - 346 = ☐ **W**	638 - 227 = ☐ **L**
872 - 76 = ☐ **R**	336 - 58 = ☐ **V**	800 - 34 = ☐ **E**
295 - 124 = ☐ **N**	784 - 331 = ☐ **I**	444 - 254 = ☐ **D**
506 - 108 = ☐ **U**	671 - 143 = ☐ **S**	

Scratch space:

CLUE 4 Multiplication facts (1-12)

> The team snacks are kept in neat crates. There are equal rows of water bottles. We will multiply the rows to find the next secret.

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



12 × 11 = ☐ **W**	3 × 1 = ☐ **B**	11 × 11 = ☐ **E**
9 × 1 = ☐ **Y**	5 × 11 = ☐ **N**	7 × 11 = ☐ **R**
11 × 8 = ☐ **U**	4 × 4 = ☐ **T**	8 × 8 = ☐ **M**
10 × 8 = ☐ **O**	1 × 7 = ☐ **L**	12 × 6 = ☐ **G**
8 × 4 = ☐ **D**	9 × 11 = ☐ **I**	7 × 4 = ☐ **F**
6 × 4 = ☐ **H**	5 × 10 = ☐ **S**	7 × 7 = ☐ **A**

Scratch space:

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

> We have a pile of shiny practice cones. If we share them equally among the five training drills, we will reveal the final 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:

80 ÷ 8 = ☐	25 ÷ 5 = ☐	9 ÷ 1 = ☐
8 ÷ 1 = ☐	60 ÷ 10 = ☐	7 ÷ 7 = ☐
16 ÷ 8 = ☐	28 ÷ 4 = ☐	110 ÷ 10 = ☐
9 ÷ 3 = ☐	20 ÷ 5 = ☐	

Step 2 - cross out the sentence with each answer:

1. The villain does a bicycle kick, then taps their smart watch.
2. The villain performs a super save, then taps their smart watch.
3. The villain does a bicycle kick, then sips from their water jug.
4. The villain runs a speed dribble, then adjusts their neon headband.
5. The villain shoots a curving free kick, then sips from their water jug.
6. The villain does a bicycle kick, then pulls up their lucky socks.
7. The villain shoots a curving free kick, then flashes their golden boots.
8. The villain runs a speed dribble, then pulls up their lucky socks.
9. The villain makes a power header, then flashes their golden boots.
10. The villain runs a speed dribble, then sips from their water jug.
11. The villain does a bicycle kick, then flashes their golden boots.
12. The villain makes a power header, then adjusts their neon headband.

TEACHER / PARENT

Answer Key

The Case of the Missing World Cup Trophy

Culprit: Christian Rinaldo

Power Header · Neon Headband · Left Footed · Muddy Field Grass · Loud Whistle

Trail: Start 21 → Clue 1 16 → Clue 2 11 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE VILLAIN DOES NOT HAVE LUCKY SOCKS"

Round 73 to the nearest ten = 70 (T) · Round 173 to the nearest hundred = 200 (D) · Round 7,512 to the nearest thousand = 8000 (V) · Round 4,562 to the nearest thousand = 5000 (L) · Round 798 to the nearest hundred = 800 (S) · Round 6,835 to the nearest thousand = 7000 (H) · Round 251 to the nearest hundred = 300 (A) · Round 8,600 to the nearest thousand = 9000 (N) · Round 932 to the nearest hundred = 900 (E) · Round 2,850 to the nearest thousand = 3000 (I) · Round 31 to the nearest ten = 30 (C) · Round 37 to the nearest ten = 40 (O) · Round 18 to the nearest ten = 20 (Y) · Round 57 to the nearest ten = 60 (U) · Round 3,934 to the nearest thousand = 4000 (K)

Clue 2 (Addition): "THE VILLAIN KICKS WITH THE LEFT FOOT"

123 + 160 = 283 (T) · 545 + 409 = 954 (S) · 272 + 609 = 881 (O) · 338 + 479 = 817 (W) · 253 + 123 = 376 (I) · 387 + 328 = 715 (C) · 151 + 159 = 310 (K) · 303 + 588 = 891 (N) · 342 + 442 = 784 (V) · 83 + 121 = 204 (H) · 357 + 566 = 923 (E) · 106 + 133 = 239 (A) · 148 + 115 = 263 (L) · 550 + 314 = 864 (F)

Clue 3 (Subtraction): "THE VILLAIN RAN AWAY FROM A LOUD WHISTLE"

1064 - 296 = 768 (T) · 516 - 29 = 487 (Y) · 740 - 56 = 684 (O) · 514 - 251 = 263 (M) · 756 - 19 = 737 (H) · 119 - 15 = 104 (F) · 938 - 241 = 697 (A) · 780 - 346 = 434 (W) · 638 - 227 = 411 (L) · 872 - 76 = 796 (R) · 336 - 58 = 278 (V) · 800 - 34 = 766 (E) · 295 - 124 = 171 (N) · 784 - 331 = 453 (I) · 444 - 254 = 190 (D) · 506 - 108 = 398 (U) · 671 - 143 = 528 (S)

Clue 4 (Multiplication facts (1-12)): "WE FOUND MUDDY FIELD GRASS ON THE BALL"

12 × 11 = 132 (W) · 3 × 1 = 3 (B) · 11 × 11 = 121 (E) · 9 × 1 = 9 (Y) · 5 × 11 = 55 (N) · 7 × 11 = 77 (R) · 11 × 8 = 88 (U) · 4 × 4 = 16 (T) · 8 × 8 = 64 (M) · 10 × 8 = 80 (O) · 1 × 7 = 7 (L) · 12 × 6 = 72 (G) · 8 × 4 = 32 (D) · 9 × 11 = 99 (I) · 7 × 4 = 28 (F) · 6 × 4 = 24 (H) · 5 × 10 = 50 (S) · 7 × 7 = 49 (A)

Clue 5 (Division facts (1-12)): surviving statement is box 12 → Christian Rinaldo

80 ÷ 8 = 10 · 25 ÷ 5 = 5 · 9 ÷ 1 = 9 · 8 ÷ 1 = 8 · 60 ÷ 10 = 6 · 7 ÷ 7 = 1 · 16 ÷ 8 = 2 · 28 ÷ 4 = 7 · 110 ÷ 10 = 11 · 9 ÷ 3 = 3 · 20 ÷ 5 = 4