The Missing Golden Trophy Mystery

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

Detective: _____ **Date:** _____

The Golden Boot Trophy vanished right before the championship kick-off at Starlight Stadium! Use your detective skills to find out who snatched it.

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.

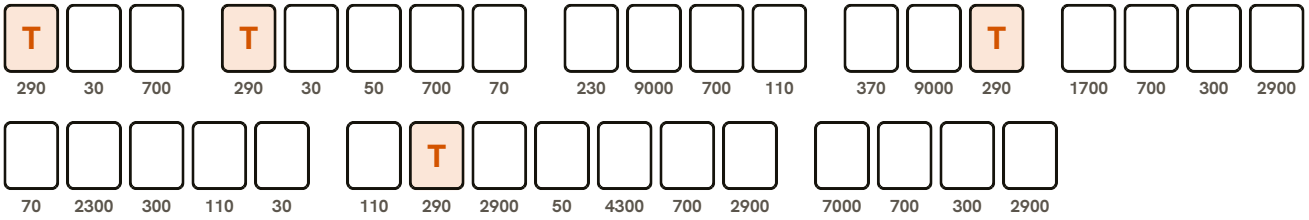
NAME	SPECIAL TRICK	GEAR BRAND	KICKING FOOT	HEADBAND COLOR	SNACK HABIT
Marcus Rashford	Rocket Volley	Apex Cleats	Left Footed	Bright Orange	Granola Bars
Erling Haaland	Speed Dribble	Nitro Kicks	Right Footed	Electric Blue	Energy Chews
Harry Kane	Rocket Volley	Power Grip	Right Footed	Neon Yellow	Granola Bars
Marta	Curving Corner	Flash Striker	Right Footed	Bright Orange	Energy Chews
Virgil van Dijk	Rocket Volley	Power Grip	Left Footed	Neon Yellow	Granola Bars
Kevin De Bruyne	Curving Corner	Power Grip	Right Footed	Electric Blue	Orange Slices
Bukayo Saka	Bicycle Kick	Flash Striker	Left Footed	Neon Yellow	Granola Bars
Lionel Messi	Curving Corner	Nitro Kicks	Left Footed	Neon Yellow	Granola Bars
Mohamed Salah	Bicycle Kick	Nitro Kicks	Right Footed	Neon Yellow	Orange Slices
Wendie Renard	Bicycle Kick	Flash Striker	Left Footed	Bright Orange	Orange Slices
Son Heung-min	Curving Corner	Apex Cleats	Left Footed	Bright Orange	Orange Slices
Bruno Fernandes	Speed Dribble	Power Grip	Right Footed	Bright Orange	Energy Chews
Cristiano Ronaldo	Curving Corner	Nitro Kicks	Right Footed	Bright Orange	Energy Chews
Trinity Rodman	Speed Dribble	Nitro Kicks	Left Footed	Neon Yellow	Orange Slices
Luka Modric	Speed Dribble	Turbo Boots	Right Footed	Electric Blue	Orange Slices
Robert Lewandowski	Curving Corner	Nitro Kicks	Left Footed	Electric Blue	Energy Chews
Sophia Smith	Rocket Volley	Apex Cleats	Left Footed	Neon Yellow	Granola Bars
Aitana Bonmati	Stealth Tackle	Turbo Boots	Left Footed	Electric Blue	Granola Bars
Jude Bellingham	Speed Dribble	Flash Striker	Left Footed	Neon Yellow	Granola Bars
Megan Rapinoe	Stealth Tackle	Power Grip	Left Footed	Neon Yellow	Granola Bars
Neymar Jr	Bicycle Kick	Turbo Boots	Left Footed	Electric Blue	Orange Slices

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CLUE 1 Rounding

The stadium scoreboard digital display was glitching and only showed rounded numbers for stadium entry ticks.

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



Round 288 to the nearest ten ☐ → T

Round 54 to the nearest ten ☐ → I

Round 2,287 to the nearest hundred ☐ → L

Round 347 to the nearest hundred ☐ → A

Round 74 to the nearest ten ☐ → F

Round 9,223 to the nearest thousand ☐ → O

Round 228 to the nearest ten ☐ → D

Round 368 to the nearest ten ☐ → N

Round 2,930 to the nearest hundred ☐ → R

Round 1,706 to the nearest hundred ☐ → W

Round 4,258 to the nearest hundred ☐ → K

Round 29 to the nearest ten ☐ → H

Round 111 to the nearest ten ☐ → S

Round 675 to the nearest hundred ☐ → E

Round 7,357 to the nearest thousand ☐ → G

Scratch space:

CLUE 2

Addition

Coach Ramirez tallied up the total number of soccer balls collected from both practice fields.

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



4657 + 3171 = ☐ → W

4126 + 1908 = ☐ → T

4711 + 5141 = ☐ → C

1732 + 1057 = ☐ → S

1656 + 1721 = ☐ → F

1002 + 1722 = ☐ → A

3908 + 2658 = ☐ → D

2352 + 1328 = ☐ → K

3266 + 6244 = ☐ → I

2584 + 2194 = ☐ → N

2418 + 1507 = ☐ → E

1946 + 2445 = ☐ → L

5406 + 3175 = ☐ → O

Scratch space:

CLUE 3 Subtraction

> The equipment manager counted the remaining goalie gloves after handing out gear to the starting team.

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



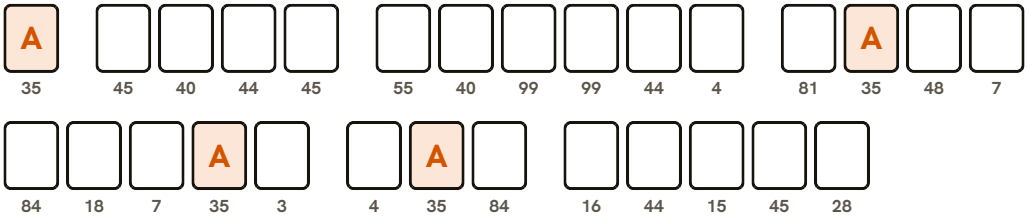
12828 - 4284 = ☐ → G	4909 - 2156 = ☐ → M	8022 - 4105 = ☐ → T
8084 - 1235 = ☐ → W	11757 - 4048 = ☐ → R	2563 - 873 = ☐ → F
10289 - 2633 = ☐ → E	8186 - 3175 = ☐ → A	5391 - 3138 = ☐ → B
8747 - 4348 = ☐ → N	10058 - 1872 = ☐ → L	8633 - 1158 = ☐ → C
12361 - 4624 = ☐ → S	2872 - 543 = ☐ → U	4595 - 1847 = ☐ → O
5839 - 4502 = ☐ → H	2262 - 329 = ☐ → D	

Scratch space:

CLUE 4 Multiplication facts (1-12)

The turf manager calculated the total number of practice cones arranged in equal training rows.

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



5 × 7 = ☐ → A

12 × 7 = ☐ → S

5 × 11 = ☐ → Y

11 × 9 = ☐ → L

1 × 7 = ☐ → R

4 × 7 = ☐ → D

3 × 5 = ☐ → U

8 × 6 = ☐ → I

2 × 8 = ☐ → F

9 × 9 = ☐ → H

4 × 1 = ☐ → W

11 × 4 = ☐ → O

9 × 5 = ☐ → N

4 × 10 = ☐ → E

6 × 3 = ☐ → T

3 × 1 = ☐ → P

Scratch space:

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

> The team captain split the water bottles evenly among all the player benches.

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:

36 ÷ 3 = ☐ | 3 ÷ 3 = ☐ | 132 ÷ 12 = ☐ | 24 ÷ 3 = ☐ | 12 ÷ 3 = ☐

77 ÷ 11 = ☐ | 25 ÷ 5 = ☐ | 15 ÷ 5 = ☐ | 18 ÷ 3 = ☐ | 10 ÷ 1 = ☐

108 ÷ 12 = ☐

Step 2 - cross out the sentence with each answer:

1. The villain made a stealth tackle, then adjusted power grip gloves.
2. The villain curved a sneaky shot, then strapped on nitro kicks.
3. The villain dribbled past security, then laced up apex cleats.
4. The villain performed a bicycle kick, then grabbed flash striker gear.
5. The villain dribbled past security, then grabbed flash striker gear.
6. The villain blasted a rocket volley, then clicked turbo boots.
7. The villain made a stealth tackle, then clicked turbo boots.
8. The villain curved a sneaky shot, then laced up apex cleats.
9. The villain dribbled past security, then clicked turbo boots.
10. The villain performed a bicycle kick, then adjusted power grip gloves.
11. The villain blasted a rocket volley, then laced up apex cleats.
12. The villain blasted a rocket volley, then adjusted power grip gloves.

TEACHER / PARENT

Answer Key

The Missing Golden Trophy Mystery

Culprit: Lionel Messi

Curving Corner · Nitro Kicks · Left Footed · Neon Yellow · Granola Bars

Trail: Start 21 → Clue 1 17 → Clue 2 10 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE THIEF DOES NOT WEAR FLASH STRIKER GEAR"

Round 288 to the nearest ten = 290 (T) · Round 54 to the nearest ten = 50 (I) · Round 2,287 to the nearest hundred = 2300 (L) · Round 347 to the nearest hundred = 300 (A) · Round 74 to the nearest ten = 70 (F) · Round 9,223 to the nearest thousand = 9000 (O) · Round 228 to the nearest ten = 230 (D) · Round 368 to the nearest ten = 370 (N) · Round 2,930 to the nearest hundred = 2900 (R) · Round 1,706 to the nearest hundred = 1700 (W) · Round 4,258 to the nearest hundred = 4300 (K) · Round 29 to the nearest ten = 30 (H) · Round 111 to the nearest ten = 110 (S) · Round 675 to the nearest hundred = 700 (E) · Round 7,357 to the nearest thousand = 7000 (G)

Clue 2 (Addition): "WITNESS SAW A LEFT FOOTED KICK"

4657 + 3171 = 7828 (W) · 4126 + 1908 = 6034 (T) · 4711 + 5141 = 9852 (C) · 1732 + 1057 = 2789 (S) · 1656 + 1721 = 3377 (F) · 1002 + 1722 = 2724 (A) · 3908 + 2658 = 6566 (D) · 2352 + 1328 = 3680 (K) · 3266 + 6244 = 9510 (I) · 2584 + 2194 = 4778 (N) · 2418 + 1507 = 3925 (E) · 1946 + 2445 = 4391 (L) · 5406 + 3175 = 8581 (O)

Clue 3 (Subtraction): "GRANOLA CRUMBS WERE FOUND ON THE BENCH"

12828 - 4284 = 8544 (G) · 4909 - 2156 = 2753 (M) · 8022 - 4105 = 3917 (T) · 8084 - 1235 = 6849 (W) · 11757 - 4048 = 7709 (R) · 2563 - 873 = 1690 (F) · 10289 - 2633 = 7656 (E) · 8186 - 3175 = 5011 (A) · 5391 - 3138 = 2253 (B) · 8747 - 4348 = 4399 (N) · 10058 - 1872 = 8186 (L) · 8633 - 1158 = 7475 (C) · 12361 - 4624 = 7737 (S) · 2872 - 543 = 2329 (U) · 4595 - 1847 = 2748 (O) · 5839 - 4502 = 1337 (H) · 2262 - 329 = 1933 (D)

Clue 4 (Multiplication facts (1-12)): "A NEON YELLOW HAIR STRAP WAS FOUND"

5 × 7 = 35 (A) · 12 × 7 = 84 (S) · 5 × 11 = 55 (Y) · 11 × 9 = 99 (L) · 1 × 7 = 7 (R) · 4 × 7 = 28 (D) · 3 × 5 = 15 (U) · 8 × 6 = 48 (I) · 2 × 8 = 16 (F) · 9 × 9 = 81 (H) · 4 × 1 = 4 (W) · 11 × 4 = 44 (O) · 9 × 5 = 45 (N) · 4 × 10 = 40 (E) · 6 × 3 = 18 (T) · 3 × 1 = 3 (P)

Clue 5 (Division facts (1-12)): surviving statement is box 2 → Lionel Messi

36 ÷ 3 = 12 · 3 ÷ 3 = 1 · 132 ÷ 12 = 11 · 24 ÷ 3 = 8 · 12 ÷ 3 = 4 · 77 ÷ 11 = 7 · 25 ÷ 5 = 5 · 15 ÷ 5 = 3 · 18 ÷ 3 = 6 · 10 ÷ 1 = 10 · 108 ÷ 12 = 9