



The Mystery of the Missing Championship Trophy

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

Detective: _____ Date: _____

Right before the final match at Star Strike Stadium, the Golden Trophy disappeared from the display case! A rogue player sneaked onto the pitch and snatched it. Solve the math clues to uncover who took the trophy!

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 Phantom Striker 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	HAIRSTYLE	DISTRACTION
Megan Rapinoe	Mega Save	Neon Cleats	Right Footed	Buzz Cut	Squeaky Boots
Marta Vieira	Rocket Shot	Neon Cleats	Right Footed	Braided Hair	Squeaky Boots
Sophia Smith	Rocket Shot	Caped Jersey	Left Footed	Buzz Cut	Squeaky Boots
Trinity Rodman	Curved Pass	Neon Cleats	Right Footed	Spiky Hair	Squeaky Boots
Keira Walsh	Mega Save	Caped Jersey	Right Footed	Buzz Cut	Squeaky Boots
Erling Haaland	Curved Pass	Neon Cleats	Right Footed	Braided Hair	Squeaky Boots
Rose Lavelle	Curved Pass	Turbo Gloves	Right Footed	Braided Hair	Bright Lights
Lionel Messi	Curved Pass	Gold Whistle	Left Footed	Spiky Hair	Loud Horns
Luka Modric	Bicycle Kick	Caped Jersey	Right Footed	Buzz Cut	Bright Lights
Sam Kerr	Bicycle Kick	Turbo Gloves	Right Footed	Buzz Cut	Squeaky Boots
Debinha Miri	Rocket Shot	Caped Jersey	Left Footed	Spiky Hair	Squeaky Boots
Wendie Renard	Rocket Shot	Neon Cleats	Right Footed	Buzz Cut	Loud Horns
Kevin De Bruyne	Curved Pass	Caped Jersey	Left Footed	Braided Hair	Squeaky Boots
Jamal Musiala	Mega Save	Grip Socks	Right Footed	Buzz Cut	Loud Horns
Gavi Paez	Bicycle Kick	Neon Cleats	Left Footed	Buzz Cut	Squeaky Boots
Bukayo Saka	Mega Save	Grip Socks	Right Footed	Buzz Cut	Squeaky Boots
Kylian Mbappe	Mega Save	Gold Whistle	Right Footed	Spiky Hair	Loud Horns
Alex Morgan	Rocket Shot	Gold Whistle	Right Footed	Buzz Cut	Squeaky Boots
Christine Sinclair	Rocket Shot	Turbo Gloves	Right Footed	Buzz Cut	Loud Horns
Jude Bellingham	Bicycle Kick	Caped Jersey	Left Footed	Spiky Hair	Squeaky Boots
Pedri Gonzalez	Bicycle Kick	Neon Cleats	Right Footed	Braided Hair	Bright Lights

CLUE 1

Rounding

The stadium electronic scoreboard rounded the kick speed up to the nearest ten.

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

T																T
300	50	700	70	9000	4000	4000	20	9000	90	400	60	700	2000	90	60	300
6000	2000	700	20	5000	60	4000	400	40	50	9000	2000	300	4000	700		

Round 277 to the nearest hundred

→ T

Round 6,323 to the nearest thousand

→ U

Round 43 to the nearest ten

→ W

Round 61 to the nearest ten

→ O

Round 88 to the nearest ten

→ N

Round 5,264 to the nearest thousand

→ G

Round 675 to the nearest hundred

→ E

Round 3,663 to the nearest thousand

→ L

Round 1,821 to the nearest thousand

→ S

Round 67 to the nearest ten

→ V

Round 9,172 to the nearest thousand

→ I

Round 431 to the nearest hundred

→ D

Round 17 to the nearest ten

→ A

Round 48 to the nearest ten

→ H

Scratch space:

CLUE 2

Addition

Coach Alex tallied up the total training cones collected after practice.

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

W											W							
780	509	260	410	818	715	715	818	715	715	554	780	554	715	260	636	218	410	575

636	509	575	599	260	566	218	218	260	818	266	715	599	218	260

$516 + 264 = \square \rightarrow \boxed{\text{W}}$

$553 + 265 = \square \rightarrow \boxed{\text{E}}$

$177 + 83 = \square \rightarrow \boxed{\text{T}}$

$290 + 309 = \square \rightarrow \boxed{\text{H}}$

$113 + 105 = \square \rightarrow \boxed{\text{O}}$

$179 + 231 = \square \rightarrow \boxed{\text{N}}$

$365 + 350 = \square \rightarrow \boxed{\text{S}}$

$322 + 187 = \square \rightarrow \boxed{\text{I}}$

$324 + 312 = \square \rightarrow \boxed{\text{R}}$

$326 + 228 = \square \rightarrow \boxed{\text{A}}$

$149 + 117 = \square \rightarrow \boxed{\text{D}}$

$220 + 346 = \square \rightarrow \boxed{\text{F}}$

$339 + 236 = \square \rightarrow \boxed{\text{G}}$

Scratch space:

Subtraction

The referee checked how many official soccer balls were missing from the equipment bag.

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

The diagram illustrates a sequence of numbers arranged in two rows. The top row contains 18 boxes, and the bottom row contains 12 boxes. The numbers are as follows:

Row	Box 1	Box 2	Box 3	Box 4	Box 5	Box 6	Box 7	Box 8	Box 9	Box 10	Box 11	Box 12	Box 13	Box 14	Box 15	Box 16	Box 17	Box 18
Top	S										S							
Bottom			S															

The numbers below the boxes are:

Top row: 861, 257, 584, 696, 429, 616, 658, 843, 387, 387, 470, 861, 107, 429, 146, 696, 470, 340, 696, 107

Bottom row: 197, 387, 861, 696, 291, 387, 104, 470, 839, 387, 197

$1069 - 208 = \boxed{} \rightarrow \boxed{\text{S}}$

$625 - 155 = \boxed{} \rightarrow \boxed{\text{T}}$

$921 - 82 = \boxed{} \rightarrow \boxed{\text{R}}$

$1193 - 350 = \boxed{} \rightarrow \boxed{\text{B}}$

1004 - 346 = → **Y**

$$561 - 364 = \boxed{} \rightarrow \boxed{\text{L}}$$

$$453 - 196 = \boxed{} \rightarrow \boxed{\text{Q}}$$

$$469 - 365 = \boxed{} \rightarrow \boxed{\text{N}}$$

$$997 - 381 = \boxed{} \rightarrow \boxed{\text{K}}$$

$$432 - 141 = \boxed{} \rightarrow \boxed{\text{C}}$$

$978 - 282 = \boxed{} \rightarrow \boxed{\text{E}}$

$$635 - 295 = \boxed{} \rightarrow \boxed{\text{H}}$$

$263 - 117 = \boxed{} \rightarrow \boxed{\text{D}}$

$$416 - 29 = \boxed{} \rightarrow \boxed{0}$$

$634 - 50 = \boxed{} \rightarrow \boxed{\mathbf{U}}$

$$735 - 306 = \boxed{} \rightarrow \boxed{\mathbf{A}}$$

$$227 - 120 = \boxed{} \rightarrow \boxed{\text{M}}$$

Scratch space:

CLUE 4

Multiplication facts (1-12)

The team organized equal rows of water bottles along the sideline bench.

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

A														A		
80	24	66	50	96	84	35	18	72	72	5	18	84	66	80	90	96

	A											
108	80	24	50	40	84	66	42	35	42	40	5	66

$8 \times 10 = \square \rightarrow \boxed{\text{A}}$

$6 \times 11 = \square \rightarrow \boxed{\text{H}}$

$5 \times 8 = \square \rightarrow \boxed{\text{N}}$

$8 \times 3 = \square \rightarrow \boxed{\text{S}}$

$7 \times 12 = \square \rightarrow \boxed{\text{T}}$

$5 \times 1 = \square \rightarrow \boxed{\text{C}}$

$7 \times 6 = \square \rightarrow \boxed{\text{E}}$

$12 \times 8 = \square \rightarrow \boxed{\text{R}}$

$9 \times 8 = \square \rightarrow \boxed{\text{Z}}$

$2 \times 9 = \square \rightarrow \boxed{\text{U}}$

$10 \times 5 = \square \rightarrow \boxed{\text{O}}$

$9 \times 12 = \square \rightarrow \boxed{\text{W}}$

$9 \times 10 = \square \rightarrow \boxed{\text{I}}$

$7 \times 5 = \square \rightarrow \boxed{\text{B}}$

Scratch space:

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

The captain divided the agility ladders equally among the practice groups.

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:

$81 \div 9 = \boxed{}$

$27 \div 9 = \boxed{}$

$64 \div 8 = \boxed{}$

$25 \div 5 = \boxed{}$

$80 \div 8 = \boxed{}$

$9 \div 9 = \boxed{}$

$42 \div 7 = \boxed{}$

$60 \div 5 = \boxed{}$

$35 \div 5 = \boxed{}$

$132 \div 12 = \boxed{}$

$4 \div 2 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain curled a curved pass, then pulled on turbo gloves.
2. The villain attempted a bicycle kick, then laced up neon cleats.
3. The villain executed a mega save, then laced up neon cleats.
4. The villain attempted a bicycle kick, then pulled on turbo gloves.
5. The villain launched a rocket shot, then blew a gold whistle.
6. The villain executed a mega save, then pulled on turbo gloves.
7. The villain attempted a bicycle kick, then blew a gold whistle.
8. The villain executed a mega save, then snapped on a caped jersey.
9. The villain executed a mega save, then adjusted grip socks.
10. The villain curled a curved pass, then snapped on a caped jersey.
11. The villain blasted a power kick, then blew a gold whistle.
12. The villain blasted a power kick, then snapped on a caped jersey.

Answer Key

The Mystery of the Missing Championship Trophy

Culprit: Sam Kerr

Bicycle Kick · Turbo Gloves · Right Footed · Buzz Cut · Squeaky Boots

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

Clue 1 (Rounding): "THE VILLAIN DOES NOT USE A GOLD WHISTLE"

Round 277 to the nearest hundred = 300 (T) · Round 6,323 to the nearest thousand = 6000 (U) · Round 43 to the nearest ten = 40 (W) · Round 61 to the nearest ten = 60 (O) · Round 88 to the nearest ten = 90 (N) · Round 5,264 to the nearest thousand = 5000 (G) · Round 675 to the nearest hundred = 700 (E) · Round 3,663 to the nearest thousand = 4000 (L) · Round 1,821 to the nearest thousand = 2000 (S) · Round 67 to the nearest ten = 70 (V) · Round 9,172 to the nearest thousand = 9000 (I) · Round 431 to the nearest hundred = 400 (D) · Round 17 to the nearest ten = 20 (A) · Round 48 to the nearest ten = 50 (H)

Clue 2 (Addition): "WITNESSES SAW A STRONG RIGHT FOOTED SHOT"

$516 + 264 = 780$ (W) · $553 + 265 = 818$ (E) · $177 + 83 = 260$ (T) · $290 + 309 = 599$ (H) · $113 + 105 = 218$ (O) · $179 + 231 = 410$ (N) · $365 + 350 = 715$ (S) · $322 + 187 = 509$ (I) · $324 + 312 = 636$ (R) · $326 + 228 = 554$ (A) · $149 + 117 = 266$ (D) · $220 + 346 = 566$ (F) · $339 + 236 = 575$ (G)

Clue 3 (Subtraction): "SQUEAKY BOOTS MADE THEM LOSE CONTROL"

$1069 - 208 = 861$ (S) · $625 - 155 = 470$ (T) · $921 - 82 = 839$ (R) · $1193 - 350 = 843$ (B) · $1004 - 346 = 658$ (Y) · $561 - 364 = 197$ (L) · $453 - 196 = 257$ (Q) · $469 - 365 = 104$ (N) · $997 - 381 = 616$ (K) · $432 - 141 = 291$ (C) · $978 - 282 = 696$ (E) · $635 - 295 = 340$ (H) · $263 - 117 = 146$ (D) · $416 - 29 = 387$ (O) · $634 - 50 = 584$ (U) · $735 - 306 = 429$ (A) · $227 - 120 = 107$ (M)

Clue 4 (Multiplication facts (1-12)): "A SHORT BUZZ CUT HAIR WAS ON THE BENCH"

$8 \times 10 = 80$ (A) · $6 \times 11 = 66$ (H) · $5 \times 8 = 40$ (N) · $8 \times 3 = 24$ (S) · $7 \times 12 = 84$ (T) · $5 \times 1 = 5$ (C) · $7 \times 6 = 42$ (E) · $12 \times 8 = 96$ (R) · $9 \times 8 = 72$ (Z) · $2 \times 9 = 18$ (U) · $10 \times 5 = 50$ (O) · $9 \times 12 = 108$ (W) · $9 \times 10 = 90$ (I) · $7 \times 5 = 35$ (B)

Clue 5 (Division facts (1-12)): surviving statement is box 4 → Sam Kerr

$81 \div 9 = 9$ · $27 \div 9 = 3$ · $64 \div 8 = 8$ · $25 \div 5 = 5$ · $80 \div 8 = 10$ · $9 \div 9 = 1$ · $42 \div 7 = 6$ · $60 \div 5 = 12$ · $35 \div 5 = 7$ · $132 \div 12 = 11$ · $4 \div 2 = 2$