



The Great World Cup Trophy Heist

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

Detective: _____ Date: _____

The Junior Soccer World Cup trophy has vanished from the display case right before the big final match! The stadium security cameras captured some strange clues, and a few players saw the thief running away. We need to use our math skills to find the culprit before the opening whistle blows!

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 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	LUCKY GEAR	PLAYER TYPE	DREADLOCK COLOR	MAIN WEAKNESS
Zoe	rainbow flick	striped headband	boy	brown dreadlocks	muddy grass
Ben	rainbow flick	gold medal	boy	black dreadlocks	flat soccer ball
Ali	sliding tackle	gold medal	boy	brown dreadlocks	flat soccer ball
Rex	cannon volley	striped headband	girl	blonde dreadlocks	muddy grass
Dan	diving header	silver whistle	boy	blonde dreadlocks	muddy grass
Leo	cannon volley	lucky wristband	girl	brown dreadlocks	muddy grass
Roy	diving header	neon shin guards	boy	brown dreadlocks	muddy grass
Eli	rainbow flick	neon shin guards	boy	brown dreadlocks	muddy grass
Ned	diving header	lucky wristband	boy	brown dreadlocks	muddy grass
Sam	diving header	striped headband	boy	brown dreadlocks	muddy grass
Kim	cannon volley	gold medal	boy	brown dreadlocks	muddy grass
Joy	rainbow flick	striped headband	boy	blonde dreadlocks	muddy grass
Fay	rainbow flick	gold medal	girl	black dreadlocks	loud vuvuzelas
Tom	bicycle kick	lucky wristband	boy	black dreadlocks	loud vuvuzelas
Lia	cannon volley	neon shin guards	girl	black dreadlocks	muddy grass
Eva	sliding tackle	lucky wristband	boy	black dreadlocks	muddy grass
Jax	rainbow flick	silver whistle	boy	black dreadlocks	flat soccer ball
Amy	diving header	neon shin guards	boy	black dreadlocks	muddy grass
Mae	rainbow flick	striped headband	girl	blonde dreadlocks	muddy grass
Kai	cannon volley	gold medal	girl	black dreadlocks	loud vuvuzelas
Mia	rainbow flick	silver whistle	girl	blonde dreadlocks	muddy grass

CLUE 1

The stadium gate scanner registers the suspect's weight, but the ancient screen only shows numbers rounded to the nearest ten.

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

Round 67 to the nearest ten $\rightarrow$ **T**

Round 3,094 to the nearest hundred → **E**

Round 18,731 to the nearest ten thousand → **B**

Round 314,456 to the nearest ten thousand → **D**

Round 307 to the nearest ten $\rightarrow$ **H**

Round 32,662 to the nearest ten thousand →

Round 6,756 to the nearest thousand →

Round 2,830,032 to the nearest hundred thousand → **R**

Round 330 to the nearest hundred $\rightarrow$ **F**

Round 503,414 to the nearest hundred thousand → **P**

Round 5,073 to the nearest thousand → **W**

Round 684,718 to the nearest hundred thousand → **N**

Round 46,426 to the nearest ten thousand →

Round 3,187 to the nearest thousand → **A**

Scratch space:

CLUE 2 Addition

Our junior detective tallies up all the dropped soccer cones found along the escape route to find the next clue.

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

T				T								T							
5596	4619	2909	2014	5596	7014	4242	8186	6499	6294	4764	8186	5596	5533	2909	2014	2014	2014	7014	4764

7014	9400	3195	6360	6239	6499	5533	5533	8186	5533	8394	7014	4764	7014	6360	

$2058 + 3538 = \boxed{} \rightarrow \boxed{\text{T}}$

$5334 + 2852 = \boxed{} \rightarrow \boxed{\text{I}}$

$4085 + 2414 = \boxed{} \rightarrow \boxed{\text{U}}$

$2981 + 6419 = \boxed{} \rightarrow \boxed{\text{B}}$

$1122 + 892 = \boxed{} \rightarrow \boxed{\text{S}}$

$2370 + 3163 = \boxed{} \rightarrow \boxed{\text{N}}$

$3690 + 2549 = \boxed{} \rightarrow \boxed{\text{R}}$

$4515 + 3879 = \boxed{} \rightarrow \boxed{\text{G}}$

$2446 + 3914 = \boxed{} \rightarrow \boxed{\text{Y}}$

$1160 + 1749 = \boxed{} \rightarrow \boxed{\text{E}}$

$1486 + 2756 = \boxed{} \rightarrow \boxed{\text{D}}$

$2209 + 2555 = \boxed{} \rightarrow \boxed{\text{W}}$

$1071 + 2124 = \boxed{} \rightarrow \boxed{\text{O}}$

$4063 + 2231 = \boxed{} \rightarrow \boxed{\text{M}}$

$2786 + 4228 = \boxed{} \rightarrow \boxed{\text{A}}$

$2489 + 2130 = \boxed{} \rightarrow \boxed{\text{H}}$

Scratch space:

CLUE 3

Subtraction

The security team takes the total stadium ticket count and subtracts the empty seats to reveal a hidden code.

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

T								T										
3179	1623	3046	2989	8262	2989	4090	3046	3997	3179	2989	4209	6986	4090	4090	3046	8927	2668	8201

T												
3179	1623	3046	2486	8262	8927	8927	5847	3409	6364	3533	2989	2989

$3252 - 73 = \square \rightarrow \boxed{\text{T}}$

$3696 - 650 = \square \rightarrow \boxed{\text{E}}$

$6125 - 3639 = \square \rightarrow \boxed{\text{M}}$

$4007 - 598 = \square \rightarrow \boxed{\text{G}}$

$9186 - 4977 = \square \rightarrow \boxed{\text{L}}$

$4586 - 1053 = \square \rightarrow \boxed{\text{A}}$

$10770 - 4923 = \square \rightarrow \boxed{\text{Y}}$

$9060 - 798 = \square \rightarrow \boxed{\text{U}}$

$3070 - 402 = \square \rightarrow \boxed{\text{O}}$

$8846 - 645 = \square \rightarrow \boxed{\text{N}}$

$6404 - 3415 = \square \rightarrow \boxed{\text{S}}$

$2870 - 1247 = \square \rightarrow \boxed{\text{H}}$

$10787 - 4423 = \square \rightarrow \boxed{\text{R}}$

$10424 - 1497 = \square \rightarrow \boxed{\text{D}}$

$9418 - 2432 = \square \rightarrow \boxed{\text{I}}$

$8357 - 4360 = \square \rightarrow \boxed{\text{C}}$

$7935 - 3845 = \square \rightarrow \boxed{\text{P}}$

Scratch space:

CLUE 4
Multiplication facts (1-12)

We count the rows of vuvuzelas on the fan bench, calculating the total by multiplying the rows and seats.

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

T										T							
20	121	3	6	56	90	49	50	55	20	121	9	84	7	9	50	63	

72	50	99	28	77	7	50	3	9	7	90	99	6	63	84

$5 \times 4 = \square \rightarrow \text{T}$

$11 \times 9 = \square \rightarrow \text{O}$

$1 \times 3 = \square \rightarrow \text{E}$

$8 \times 9 = \square \rightarrow \text{B}$

$12 \times 7 = \square \rightarrow \text{S}$

$10 \times 5 = \square \rightarrow \text{R}$

$5 \times 11 = \square \rightarrow \text{I}$

$9 \times 7 = \square \rightarrow \text{K}$

$6 \times 1 = \square \rightarrow \text{C}$

$7 \times 4 = \square \rightarrow \text{W}$

$9 \times 10 = \square \rightarrow \text{L}$

$8 \times 7 = \square \rightarrow \text{U}$

$7 \times 1 = \square \rightarrow \text{D}$

$11 \times 7 = \square \rightarrow \text{N}$

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

$1 \times 9 = \square \rightarrow \text{A}$

$7 \times 7 = \square \rightarrow \text{P}$

Scratch space:

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

The referee divides the giant bag of practice soccer balls equally among the teams, leaving a special clue in the leftover pile.

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:

$108 \div 12 = \boxed{}$

$5 \div 5 = \boxed{}$

$50 \div 10 = \boxed{}$

$20 \div 2 = \boxed{}$

$20 \div 5 = \boxed{}$

$6 \div 2 = \boxed{}$

$54 \div 9 = \boxed{}$

$110 \div 10 = \boxed{}$

$20 \div 10 = \boxed{}$

$96 \div 12 = \boxed{}$

$21 \div 3 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain shows off a smooth rainbow flick, then grabs their neon shin guards.
2. The villain slides in with a tough tackle, then blows their silver whistle.
3. The villain slides in with a tough tackle, then grabs their neon shin guards.
4. The villain slides in with a tough tackle, then adjusts their striped headband.
5. The villain makes a dramatic diving header, then grabs their neon shin guards.
6. The villain slides in with a tough tackle, then polishes their gold medal.
7. The villain shows off a smooth rainbow flick, then blows their silver whistle.
8. The villain performs a rapid bicycle kick, then blows their silver whistle.
9. The villain makes a dramatic diving header, then taps their lucky wristband.
10. The villain unleashes a power cannon volley, then taps their lucky wristband.
11. The villain shows off a smooth rainbow flick, then taps their lucky wristband.
12. The villain unleashes a power cannon volley, then polishes their gold medal.

Answer Key

The Great World Cup Trophy Heist

Culprit: Kim

cannon volley · gold medal · boy · brown dreadlocks · muddy grass

Trail: Start 21 → Clue 1 16 → Clue 2 11 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE THIEF DOES NOT WEAR A STRIPED HEADBAND"

Round 67 to the nearest ten = 70 (T) · Round 3,094 to the nearest hundred = 3100 (E) · Round 18,731 to the nearest ten thousand = 20000 (B) · Round 314,456 to the nearest ten thousand = 310000 (D) · Round 307 to the nearest ten = 310 (H) · Round 32,662 to the nearest ten thousand = 30000 (I) · Round 6,756 to the nearest thousand = 7000 (S) · Round 2,830,032 to the nearest hundred thousand = 2800000 (R) · Round 330 to the nearest hundred = 300 (F) · Round 503,414 to the nearest hundred thousand = 500000 (P) · Round 5,073 to the nearest thousand = 5000 (W) · Round 684,718 to the nearest hundred thousand = 700000 (N) · Round 46,426 to the nearest ten thousand = 50000 (O) · Round 3,187 to the nearest thousand = 3000 (A)

Clue 2 (Addition): "THE STADIUM WITNESS SAW A BOY RUNNING AWAY"

2058 + 3538 = 5596 (T) · 5334 + 2852 = 8186 (I) · 4085 + 2414 = 6499 (U) · 2981 + 6419 = 9400 (B) · 1122 + 892 = 2014 (S) · 2370 + 3163 = 5533 (N) · 3690 + 2549 = 6239 (R) · 4515 + 3879 = 8394 (G) · 2446 + 3914 = 6360 (Y) · 1160 + 1749 = 2909 (E) · 1486 + 2756 = 4242 (D) · 2209 + 2555 = 4764 (W) · 1071 + 2124 = 3195 (O) · 4063 + 2231 = 6294 (M) · 2786 + 4228 = 7014 (A) · 2489 + 2130 = 4619 (H)

Clue 3 (Subtraction): "THE SUSPECT SLIPPED ON THE MUDDY GRASS"

3252 - 73 = 3179 (T) · 3696 - 650 = 3046 (E) · 6125 - 3639 = 2486 (M) · 4007 - 598 = 3409 (G) · 9186 - 4977 = 4209 (L) · 4586 - 1053 = 3533 (A) · 10770 - 4923 = 5847 (Y) · 9060 - 798 = 8262 (U) · 3070 - 402 = 2668 (O) · 8846 - 645 = 8201 (N) · 6404 - 3415 = 2989 (S) · 2870 - 1247 = 1623 (H) · 10787 - 4423 = 6364 (R) · 10424 - 1497 = 8927 (D) · 9418 - 2432 = 6986 (I) · 8357 - 4360 = 3997 (C) · 7935 - 3845 = 4090 (P)

Clue 4 (Multiplication facts (1-12)): "THE CULPRIT HAS DARK BROWN DREADLOCKS"

$5 \times 4 = 20$ (T) · $11 \times 9 = 99$ (O) · $1 \times 3 = 3$ (E) · $8 \times 9 = 72$ (B) · $12 \times 7 = 84$ (S) · $10 \times 5 = 50$ (R) · $5 \times 11 = 55$ (I) · $9 \times 7 = 63$ (K) · $6 \times 1 = 6$ (C) · $7 \times 4 = 28$ (W) · $9 \times 10 = 90$ (L) · $8 \times 7 = 56$ (U) · $7 \times 1 = 7$ (D) · $11 \times 7 = 77$ (N) · $11 \times 11 = 121$ (H) · $1 \times 9 = 9$ (A) · $7 \times 7 = 49$ (P)

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

$108 \div 12 = 9$ · $5 \div 5 = 1$ · $50 \div 10 = 5$ · $20 \div 2 = 10$ · $20 \div 5 = 4$ · $6 \div 2 = 3$ · $54 \div 9 = 6$ · $110 \div 10 = 11$ · $20 \div 10 = 2$ · $96 \div 12 = 8$ · $21 \div 3 = 7$