The Golden Cat Cup Caper

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

Detective: _____ **Date:** _____

Oh no! The Golden Cat Cup has been swiped right before the final match. The stadium is packed, and FC Meow cannot start the game without their lucky prize. We need to find the sneaky teammate who hid the cup!

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 taker is _____

Possible suspects

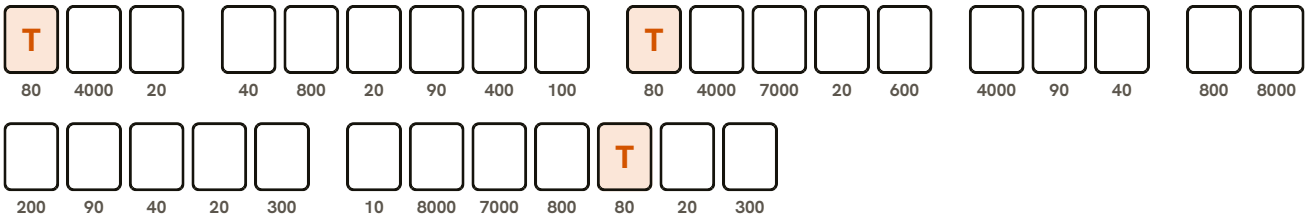
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	SIGNATURE MOVE	LUCKY GEAR	SHOOTING PAW	FUR PATTERN	WEAKNESS
Bukayo Sfurka	turbo tail spin	red laser pointer	kicks with left paw	orange stripes	noisy squeaky toy
Miaow Hamm	super high leap	striped headband	kicks with right paw	orange stripes	smelly tuna treat
David Pawckham	laser sight shot	neon shin guards	kicks with left paw	orange stripes	noisy squeaky toy
Sadio Meow	double power paw	neon shin guards	kicks with left paw	orange stripes	noisy squeaky toy
Lucy Bronzecat	super high leap	golden collar	kicks with left paw	calico patches	smelly tuna treat
Gianpaws Buffon	double power paw	striped headband	kicks with right paw	jet black fur	noisy squeaky toy
Purrlo	sonic purr blast	neon shin guards	kicks with left paw	calico patches	shiny rolling yarn
Neymar Mew	super high leap	sparkly cleats	kicks with left paw	orange stripes	noisy squeaky toy
Antoine Grizzcat	super high leap	sparkly cleats	kicks with right paw	orange stripes	smelly tuna treat
Lionel Meowssi	sonic purr blast	neon shin guards	kicks with left paw	calico patches	noisy squeaky toy
Pawl Pogba	super high leap	neon shin guards	kicks with left paw	orange stripes	smelly tuna treat
Luka Modrich	super high leap	sparkly cleats	kicks with right paw	orange stripes	noisy squeaky toy
Cristiano Clawnaldo	laser sight shot	striped headband	kicks with left paw	orange stripes	noisy squeaky toy
Thierry Furry	sonic purr blast	golden collar	kicks with left paw	jet black fur	shiny rolling yarn
Kevin De Pawne	laser sight shot	striped headband	kicks with left paw	orange stripes	shiny rolling yarn
Robert Lewandclawsky	laser sight shot	red laser pointer	kicks with right paw	jet black fur	smelly tuna treat
Zinedine Ziclaw	double power paw	striped headband	kicks with right paw	orange stripes	noisy squeaky toy
Marcus Rashfur	super high leap	neon shin guards	kicks with right paw	orange stripes	noisy squeaky toy
Harry Kitten	turbo tail spin	neon shin guards	kicks with right paw	orange stripes	noisy squeaky toy
Karim Benzemeow	turbo tail spin	red laser pointer	kicks with right paw	orange stripes	shiny rolling yarn
Mo Furlah	super high leap	golden collar	kicks with right paw	orange stripes	smelly tuna treat

CLUE 1 Place value

> Coach Whiskers looks at the digital practice sign. The place value of the digits shows us where the villain left their footprint.

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



What is the value of the 8 in 2,487? ☐ → **T**

What is the value of the 2 in 829? ☐ → **E**

What is the value of the 9 in 290? ☐ → **A**

What is the value of the 4 in 9,545? ☐ → **S**

What is the value of the 7 in 57,124? ☐ → **I**

What is the value of the 4 in 485? ☐ → **K**

What is the value of the 2 in 5,236? ☐ → **L**

What is the value of the 6 in 3,631? ☐ → **F**

What is the value of the 8 in 98,596? ☐ → **O**

What is the value of the 8 in 857? ☐ → **N**

What is the value of the 4 in 4,620? ☐ → **H**

What is the value of the 1 in 6,198? ☐ → **Y**

What is the value of the 1 in 9,612? ☐ → **P**

What is the value of the 3 in 394? ☐ → **R**

Scratch space:

CLUE 2 Addition

> We find large piles of soccer balls left near the grass. Adding up all the balls gives us a big clue about who was practicing late.

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

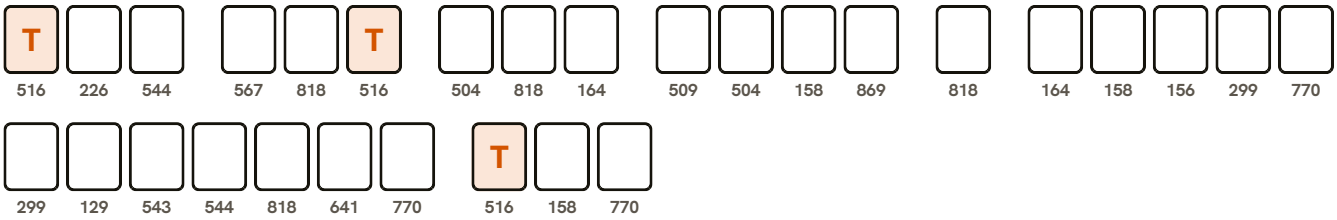
625 + 278 = ☐ → T	403 + 504 = ☐ → K	98 + 176 = ☐ → E
326 + 659 = ☐ → C	247 + 452 = ☐ → M	144 + 235 = ☐ → N
582 + 362 = ☐ → F	466 + 433 = ☐ → R	67 + 154 = ☐ → S
254 + 378 = ☐ → O	424 + 485 = ☐ → L	600 + 347 = ☐ → A
211 + 298 = ☐ → H	341 + 285 = ☐ → W	181 + 321 = ☐ → I
225 + 423 = ☐ → P		

Scratch space:

CLUE 3 Subtraction

> Someone knocked over some catnip canisters in the locker room. Subtracting the empty ones from the full ones gives us a secret locker number.

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



538 - 22 = ☐ → T

612 - 386 = ☐ → H

651 - 352 = ☐ → S

721 - 177 = ☐ → E

652 - 109 = ☐ → U

476 - 318 = ☐ → O

214 - 50 = ☐ → N

818 - 314 = ☐ → R

646 - 137 = ☐ → F

734 - 93 = ☐ → K

352 - 196 = ☐ → I

1161 - 391 = ☐ → Y

1046 - 228 = ☐ → A

682 - 115 = ☐ → C

1105 - 236 = ☐ → M

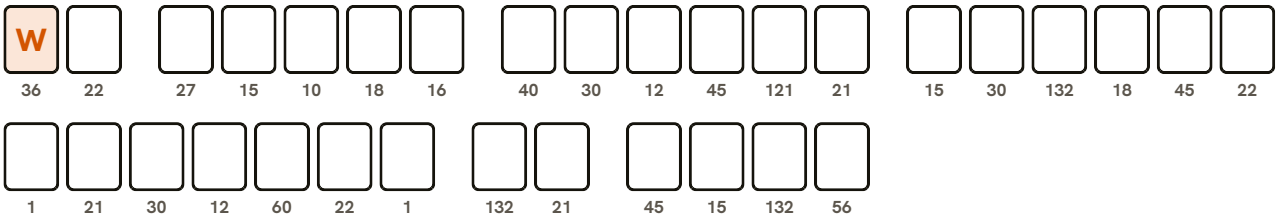
325 - 196 = ☐ → Q

Scratch space:

CLUE 4 Multiplication facts (1-12)

> We spot rows of shiny training cones lined up perfectly. Multiplying the rows reveals the jersey number we need to check.

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



4 × 9 = ☐ → W	9 × 2 = ☐ → N	2 × 11 = ☐ → E	1 × 1 = ☐ → S
3 × 9 = ☐ → F	12 × 11 = ☐ → A	10 × 6 = ☐ → P	
4 × 3 = ☐ → I	7 × 8 = ☐ → L	11 × 11 = ☐ → H	
8 × 5 = ☐ → B	7 × 3 = ☐ → T	5 × 3 = ☐ → O	9 × 5 = ☐ → G
3 × 10 = ☐ → R	2 × 8 = ☐ → D	10 × 1 = ☐ → U	

Scratch space:

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

> FC Meow needs to share out the post-game treats evenly. Dividing the snack packs gives us the final direction the suspect went.

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:

40 ÷ 5 = ☐	3 ÷ 1 = ☐	45 ÷ 9 = ☐	42 ÷ 6 = ☐	28 ÷ 7 = ☐
77 ÷ 7 = ☐	9 ÷ 1 = ☐	6 ÷ 1 = ☐	20 ÷ 2 = ☐	8 ÷ 4 = ☐
2 ÷ 2 = ☐				

Step 2 - cross out the sentence with each answer:

1. The villain strikes the ball with a double power paw, then clicks a red laser pointer.
2. The villain releases a loud sonic purr blast, then clicks a red laser pointer.
3. The villain leaps incredibly high over the goalie, then laces up some sparkly cleats.
4. The villain releases a loud sonic purr blast, then laces up some sparkly cleats.
5. The villain aims a perfect laser sight shot, then straps on neon shin guards.
6. The villain releases a loud sonic purr blast, then straps on neon shin guards.
7. The villain spins their tail like a turbo propeller, then clicks a red laser pointer.
8. The villain strikes the ball with a double power paw, then straps on neon shin guards.
9. The villain strikes the ball with a double power paw, then adjusts a striped headband.
10. The villain strikes the ball with a double power paw, then laces up some sparkly cleats.
11. The villain leaps incredibly high over the goalie, then straps on neon shin guards.
12. The villain aims a perfect laser sight shot, then adjusts a striped headband.

TEACHER / PARENT

Answer Key

The Golden Cat Cup Caper

Culprit: Cristiano Clawnaldo

laser sight shot · striped headband · kicks with left paw · orange stripes · noisy squeaky toy

Trail: Start 21 → Clue 1 18 → Clue 2 10 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Place value): "THE SNEAKY THIEF HAS NO LASER POINTER"

What is the value of the 8 in 2,487? = 80 (T) · What is the value of the 2 in 829? = 20 (E) · What is the value of the 9 in 290? = 90 (A) · What is the value of the 4 in 9,545? = 40 (S) · What is the value of the 7 in 57,124? = 7000 (I) · What is the value of the 4 in 485? = 400 (K) · What is the value of the 2 in 5,236? = 200 (L) · What is the value of the 6 in 3,631? = 600 (F) · What is the value of the 8 in 98,596? = 8000 (O) · What is the value of the 8 in 857? = 800 (N) · What is the value of the 4 in 4,620? = 4000 (H) · What is the value of the 1 in 6,198? = 100 (Y) · What is the value of the 1 in 9,612? = 10 (P) · What is the value of the 3 in 394? = 300 (R)

Clue 2 (Addition): "THE MATCH PRINT SHOWS A LEFT PAW KICK"

625 + 278 = 903 (T) · 403 + 504 = 907 (K) · 98 + 176 = 274 (E) · 326 + 659 = 985 (C) · 247 + 452 = 699 (M) · 144 + 235 = 379 (N) · 582 + 362 = 944 (F) · 466 + 433 = 899 (R) · 67 + 154 = 221 (S) · 254 + 378 = 632 (O) · 424 + 485 = 909 (L) · 600 + 347 = 947 (A) · 211 + 298 = 509 (H) · 341 + 285 = 626 (W) · 181 + 321 = 502 (I) · 225 + 423 = 648 (P)

Clue 3 (Subtraction): "THE CAT RAN FROM A NOISY SQUEAKY TOY"

538 - 22 = 516 (T) · 612 - 386 = 226 (H) · 651 - 352 = 299 (S) · 721 - 177 = 544 (E) · 652 - 109 = 543 (U) · 476 - 318 = 158 (O) · 214 - 50 = 164 (N) · 818 - 314 = 504 (R) · 646 - 137 = 509 (F) · 734 - 93 = 641 (K) · 352 - 196 = 156 (I) · 1161 - 391 = 770 (Y) · 1046 - 228 = 818 (A) · 682 - 115 = 567 (C) · 1105 - 236 = 869 (M) · 325 - 196 = 129 (Q)

Clue 4 (Multiplication facts (1-12)): "WE FOUND BRIGHT ORANGE STRIPES AT GOAL"

4 × 9 = 36 (W) · 9 × 2 = 18 (N) · 2 × 11 = 22 (E) · 1 × 1 = 1 (S) · 3 × 9 = 27 (F) · 12 × 11 = 132 (A) · 10 × 6 = 60 (P) · 4 × 3 = 12 (I) · 7 × 8 = 56 (L) · 11 × 11 = 121 (H) · 8 × 5 = 40 (B) · 7 × 3 = 21 (T) · 5 × 3 = 15 (O) · 9 × 5 = 45 (G) · 3 × 10 = 30 (R) · 2 × 8 = 16 (D) · 10 × 1 = 10 (U)

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

40 ÷ 5 = 8 · 3 ÷ 1 = 3 · 45 ÷ 9 = 5 · 42 ÷ 6 = 7 · 28 ÷ 7 = 4 · 77 ÷ 7 = 11 · 9 ÷ 1 = 9 · 6 ÷ 1 = 6 · 20 ÷ 2 = 10 · 8 ÷ 4 = 2 · 2 ÷ 2 = 1