The Mystery of the Missing Golden Trophy

Grade 5 math · Addition, Fractions of a number, Skip counting, Rounding · Reading level grades 3-4

Detective: _____ **Date:** _____

The shiny Golden Paw Trophy went missing right before the big Talent and Sports Gala! Coach Whiskers needs your help reading clues to catch the sneaky cat behind the heist.

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

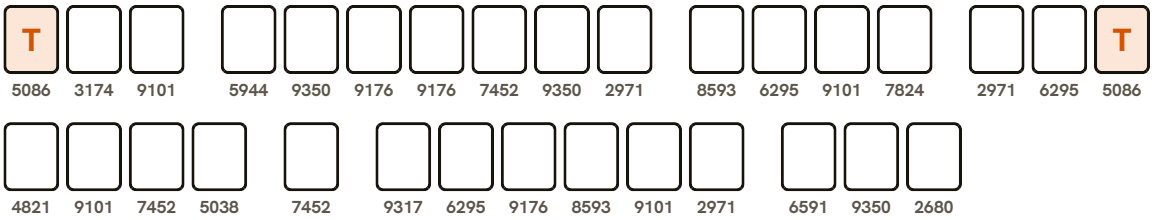
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	SPORT STYLE	GEAR CHOICE	DOMINANT PAW	FUR PATTERN	DISTRACTION
Coco Gauff-tabby	Tennis Serve	Neon Cleats	Left Pawed	Tabby Fur	Laser Pointer
Tiger Whiskers	Tennis Serve	Golden Mic	Right Pawed	Calico Fur	Laser Pointer
Cristiano Ro-claw-do	Soccer Kick	Silver Whistle	Right Pawed	Calico Fur	Laser Pointer
Lionel Purrsi	Soccer Kick	Neon Cleats	Left Pawed	Calico Fur	Yarn Ball
Bruno Paws	Opera Singing	Shiny Visor	Left Pawed	Calico Fur	Catnip Toy
Alex Morgan-cat	Tap Dance	Silver Whistle	Right Pawed	Calico Fur	Catnip Toy
Pele Paws	Golf Drive	Shiny Visor	Right Pawed	Siamese Fur	Laser Pointer
Megan Ra-paws-e	Soccer Kick	Shiny Visor	Left Pawed	Siamese Fur	Catnip Toy
Katy Purry	Tennis Serve	Pink Sweatband	Left Pawed	Calico Fur	Laser Pointer
Jack Ni-claw-us	Tennis Serve	Shiny Visor	Left Pawed	Siamese Fur	Catnip Toy
Venus Paw-liams	Tennis Serve	Shiny Visor	Right Pawed	Calico Fur	Laser Pointer
Justin Tim-paw-lake	Golf Drive	Neon Cleats	Right Pawed	Siamese Fur	Catnip Toy
Roger Paws-erer	Soccer Kick	Silver Whistle	Left Pawed	Siamese Fur	Yarn Ball
Cat-hyna Swift	Soccer Kick	Neon Cleats	Right Pawed	Siamese Fur	Yarn Ball
Usain Paw-lt	Golf Drive	Neon Cleats	Left Pawed	Tabby Fur	Yarn Ball
Ariana Paw-nde	Tennis Serve	Shiny Visor	Left Pawed	Calico Fur	Yarn Ball
Taylor Swift-paw	Soccer Kick	Silver Whistle	Right Pawed	Siamese Fur	Catnip Toy
Beyonce Purr-les	Tap Dance	Pink Sweatband	Left Pawed	Tabby Fur	Catnip Toy
Novak Djo-cat-vic	Tennis Serve	Pink Sweatband	Right Pawed	Calico Fur	Laser Pointer
Leo Messi-cat	Golf Drive	Neon Cleats	Right Pawed	Calico Fur	Laser Pointer
Paw-la Abdul	Soccer Kick	Pink Sweatband	Left Pawed	Calico Fur	Catnip Toy

CLUE 1 Addition

> We gathered all the gate counts from the main entrance to track where the thief went. Adding up the visitors gives us our first clue.

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



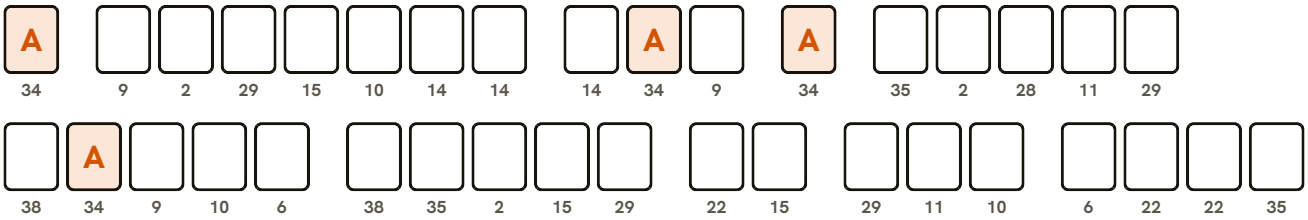
1841 + 3245 = ☐ → T	2878 + 1943 = ☐ → W	1675 + 1296 = ☐ → N
1111 + 1569 = ☐ → C	2109 + 2929 = ☐ → R	2980 + 6370 = ☐ → I
4517 + 2935 = ☐ → A	3576 + 5600 = ☐ → L	3378 + 3213 = ☐ → M
2851 + 4973 = ☐ → S	6057 + 3044 = ☐ → E	4667 + 3926 = ☐ → D
3352 + 5965 = ☐ → G	3692 + 2252 = ☐ → V	2189 + 985 = ☐ → H
2110 + 4185 = ☐ → O		

Scratch space:

CLUE 2 Fractions of a number

> Out of the total locker room keys, only a fraction were used before the show. Finding that part reveals another clue.

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



1/3 of 102 = ☐ → A

1/4 of 44 = ☐ → H

6/8 of 20 = ☐ → N

4/8 of 20 = ☐ → E

2/4 of 18 = ☐ → W

2/4 of 56 = ☐ → G

2/4 of 70 = ☐ → R

5/10 of 4 = ☐ → I

2/4 of 44 = ☐ → O

4/6 of 9 = ☐ → D

2/3 of 57 = ☐ → P

1/4 of 116 = ☐ → T

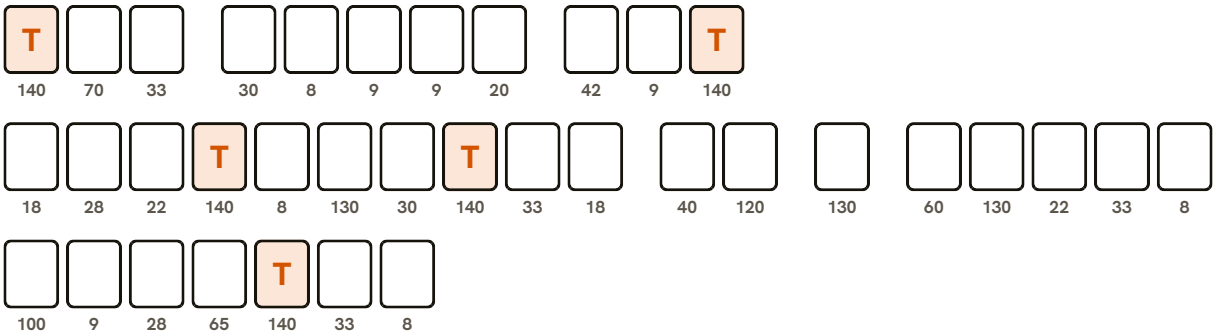
5/10 of 28 = ☐ → S

Scratch space:

CLUE 3 Skip counting

> The soccer cats lined up along the turf, counting by fives as they passed the ball down the field. Following the sequence brings us closer.

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



Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, ___, 150, 160 ☐ → **T**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, ___, 45, 48 ☐ → **G**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, ___, 24, 26 ☐ → **S**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, ___, 65, 70 ☐ → **L**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, ___, 70, 75 ☐ → **N**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, ___, 21, 24 ☐ → **D**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, ___, 30, 32 ☐ → **I**

Skip-count by 3s. Fill the blank: 3, 6, ___, 12, 15 ☐ → **O**

Skip-count by 5s. Fill the blank: 5, 10, 15, ___, 25, 30 ☐ → **K**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, ___, 45, 50 ☐ → **B**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, ___, 110, 120 ☐ → **P**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, ___, 35, 40 ☐ → C

Skip-count by 2s. Fill the blank: 2, 4, 6, ___, 10, 12 ☐ → R

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, ___, 140, 150 ☐ → A

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, ___, 36, 39 ☐ → E

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, ___, 80, 90 ☐ → H

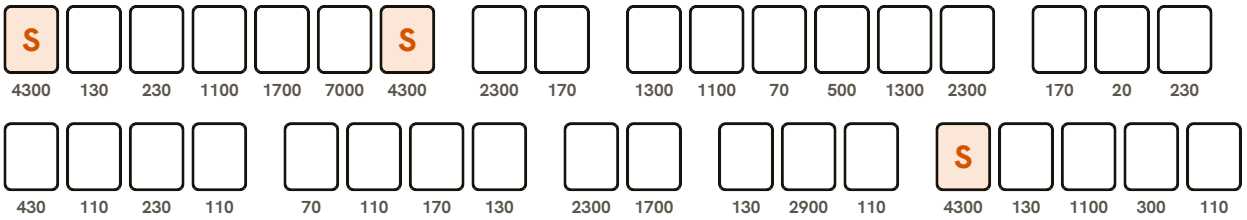
Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, ___, 130, 140 ☐ → Y

Scratch space:

CLUE 4 Rounding

> The radar speed gun at the golf range only shows rounded numbers when tracking swing speeds. Rounding the score gets us the next hint.

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



Round 4,252 to the nearest hundred ☐ → **S**

Round 232 to the nearest ten ☐ → **R**

Round 1,056 to the nearest hundred ☐ → **A**

Round 337 to the nearest hundred ☐ → **G**

Round 533 to the nearest hundred ☐ → **I**

Round 431 to the nearest ten ☐ → **W**

Round 6,920 to the nearest thousand ☐ → **D**

Round 2,892 to the nearest hundred ☐ → **H**

Round 66 to the nearest ten ☐ → **L**

Round 131 to the nearest ten ☐ → **T**

Round 22 to the nearest ten ☐ → **U**

Round 106 to the nearest ten ☐ → **E**

Round 2,345 to the nearest hundred ☐ → **O**

Round 1,291 to the nearest hundred ☐ → **C**

Round 172 to the nearest ten ☐ → **F**

Round 1,718 to the nearest hundred ☐ → **N**

Scratch space:

CLUE 5 Fractions of a number - the last clue

> Only a fraction of the dance ribbons were left in the trunk after the thief ran across the stage. Calculating that fraction reveals 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:

2/8 of 24 = ☐	1/6 of 6 = ☐	6/8 of 12 = ☐	2/10 of 35 = ☐
1/3 of 12 = ☐	4/5 of 15 = ☐	2/4 of 20 = ☐	1/5 of 25 = ☐
4/8 of 16 = ☐	1/10 of 20 = ☐	3/8 of 8 = ☐	

Step 2 - cross out the sentence with each answer:

1. The villain launched a long golf drive, then tied up their neon cleats.
2. The villain did a powerful soccer kick, then grabbed their golden mic.
3. The villain hit a super high note, then adjusted their shiny visor.
4. The villain performed a fast tap dance, then wiped off their pink sweatband.
5. The villain hit a super high note, then grabbed their golden mic.
6. The villain delivered a fast tennis serve, then adjusted their shiny visor.
7. The villain delivered a fast tennis serve, then grabbed their golden mic.
8. The villain did a powerful soccer kick, then adjusted their shiny visor.
9. The villain did a powerful soccer kick, then blew their silver whistle.
10. The villain hit a super high note, then wiped off their pink sweatband.
11. The villain delivered a fast tennis serve, then wiped off their pink sweatband.
12. The villain did a powerful soccer kick, then wiped off their pink sweatband.

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TEACHER / PARENT

Answer Key

The Mystery of the Missing Golden Trophy

Culprit: Novak Djo-cat-vic

Tennis Serve · Pink Sweatband · Right Pawed · Calico Fur · Laser Pointer

Trail: Start 21 → Clue 1 20 → Clue 2 9 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE VILLAIN DOES NOT WEAR A GOLDEN MIC"

1841 + 3245 = 5086 (T) · 2878 + 1943 = 4821 (W) · 1675 + 1296 = 2971 (N) · 1111 + 1569 = 2680 (C) · 2109 + 2929 = 5038 (R) · 2980 + 6370 = 9350 (I) · 4517 + 2935 = 7452 (A) · 3576 + 5600 = 9176 (L) · 3378 + 3213 = 6591 (M) · 2851 + 4973 = 7824 (S) · 6057 + 3044 = 9101 (E) · 4667 + 3926 = 8593 (D) · 3352 + 5965 = 9317 (G) · 3692 + 2252 = 5944 (V) · 2189 + 985 = 3174 (H) · 2110 + 4185 = 6295 (O)

Clue 2 (Fractions of a number): "A WITNESS SAW A RIGHT PAWED PRINT ON THE DOOR"

1/3 of 102 = 34 (A) · 1/4 of 44 = 11 (H) · 6/8 of 20 = 15 (N) · 4/8 of 20 = 10 (E) · 2/4 of 18 = 9 (W) · 2/4 of 56 = 28 (G) · 2/4 of 70 = 35 (R) · 5/10 of 4 = 2 (I) · 2/4 of 44 = 22 (O) · 4/6 of 9 = 6 (D) · 2/3 of 57 = 38 (P) · 1/4 of 116 = 29 (T) · 5/10 of 28 = 14 (S)

Clue 3 (Skip counting): "THE CROOK GOT DISTRACTED BY A LASER POINTER"

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, ___, 150, 160 = 140 (T) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, ___, 45, 48 = 42 (G) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, ___, 24, 26 = 22 (S) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, ___, 65, 70 = 60 (L) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, ___, 70, 75 = 65 (N) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, ___, 21, 24 = 18 (D) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, ___, 30, 32 = 28 (I) · Skip-count by 3s. Fill the blank: 3, 6, ___, 12, 15 = 9 (O) · Skip-count by 5s. Fill the blank: 5, 10, 15, ___, 25, 30 = 20 (K) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, ___, 45, 50 = 40 (B) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, ___, 110, 120 = 100 (P) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, ___, 35, 40 = 30 (C) · Skip-count by 2s. Fill the blank: 2, 4, 6, ___, 10, 12 = 8 (R) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, ___, 140, 150 = 130 (A) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, ___, 36, 39 = 33 (E) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, ___, 80, 90 = 70 (H) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, ___, 130, 140 = 120 (Y)

Clue 4 (Rounding): "STRANDS OF CALICO FUR WERE LEFT ON THE STAGE"

Round 4,252 to the nearest hundred = 4300 (S) · Round 232 to the nearest ten = 230 (R) · Round 1,056 to the nearest hundred = 1100 (A) · Round 337 to the nearest hundred = 300 (G) · Round 533 to the nearest hundred = 500 (I) · Round 431 to the nearest ten = 430 (W) · Round 6,920 to the nearest thousand = 7000 (D) · Round 2,892 to the nearest hundred = 2900 (H) · Round 66 to the nearest ten = 70 (L) · Round 131 to the nearest ten = 130 (T) · Round 22 to the nearest ten = 20 (U) · Round 106 to the nearest ten = 110 (E) · Round 2,345 to the nearest hundred = 2300 (O) · Round 1,291 to the nearest hundred = 1300 (C) · Round 172 to the nearest ten = 170 (F) · Round 1,718 to the nearest hundred = 1700 (N)

Clue 5 (Fractions of a number): surviving statement is box 11 → Novak Djo-cat-vic

2/8 of 24 = 6 · 1/6 of 6 = 1 · 6/8 of 12 = 9 · 2/10 of 35 = 7 · 1/3 of 12 = 4 · 4/5 of 15 = 12 · 2/4 of 20 = 10 · 1/5 of 25 = 5 · 4/8 of 16 = 8 · 1/10 of 20 = 2 · 3/8 of 8 = 3