



The Spooky Bowl Catnip Caper

Grade 5 math · Place value, Addition, Subtraction, Rounding, Missing addends · Reading level grades 3-4

Detective: _____ Date: _____

Right before the Halloween Bowl kickoff, the shiny Golden Catnip Trophy vanished from the end zone! Black cats in ghost jerseys and bat cleats are everywhere. Help Detective Whiskers crack the code math clues and find out which sneaky cat swiped the prize!

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	FOOTBALL MOVE	HALLOWEEN GEAR	DOMINANT PAW	FUR PATTERN	FAVORITE SNACK
Dak Purrs-cott	Yarn Tackle	Pumpkin Helmet	Right Pawed	Black Fur	Warm Milk
Justin Jefferson-fur	Yarn Tackle	Bat Wing Cleats	Left Pawed	Calico Patch	Squeaky Mouse
Peyton Manning-purr	Yarn Tackle	Witch Hat Visor	Left Pawed	Orange Tabby	Squeaky Mouse
Tyreek Hill-cat	Yarn Tackle	Ghost Jersey	Right Pawed	Orange Tabby	Squeaky Mouse
Gardner Minshew-meow	Purr Blitz	Bat Wing Cleats	Right Pawed	Calico Patch	Warm Milk
Ceedee Pawm	Catnip Dash	Glow Cape	Left Pawed	Calico Patch	Warm Milk
Josh Allen-pounce	Purr Blitz	Ghost Jersey	Left Pawed	Calico Patch	Tuna Snaps
Tom Pawdy	Yarn Tackle	Witch Hat Visor	Left Pawed	Calico Patch	Warm Milk
Aaron Pawgers	Tail Spin	Glow Cape	Left Pawed	Calico Patch	Squeaky Mouse
Marshawn Paw-nch	Yarn Tackle	Pumpkin Helmet	Left Pawed	Calico Patch	Squeaky Mouse
Lamar Jack-cat	Laser Pounce	Witch Hat Visor	Left Pawed	Orange Tabby	Squeaky Mouse
Jalen Hurts-claw	Yarn Tackle	Ghost Jersey	Right Pawed	Orange Tabby	Tuna Snaps
Patrick Meowhomes	Tail Spin	Pumpkin Helmet	Left Pawed	Calico Patch	Squeaky Mouse
Davante Meow-ns	Tail Spin	Bat Wing Cleats	Right Pawed	Calico Patch	Squeaky Mouse
George Kittle-kitty	Yarn Tackle	Ghost Jersey	Right Pawed	Calico Patch	Squeaky Mouse
Joe Purr-ow	Purr Blitz	Bat Wing Cleats	Left Pawed	Orange Tabby	Tuna Snaps
Cooper Kupp-cat	Purr Blitz	Pumpkin Helmet	Left Pawed	Calico Patch	Squeaky Mouse
Tua Tagovai-claw	Yarn Tackle	Bat Wing Cleats	Right Pawed	Black Fur	Warm Milk
Travis Kel-cat	Tail Spin	Pumpkin Helmet	Left Pawed	Calico Patch	Warm Milk
Stefon Diggs-paws	Yarn Tackle	Bat Wing Cleats	Left Pawed	Black Fur	Tuna Snaps
Derrick Paw-nry	Catnip Dash	Ghost Jersey	Right Pawed	Orange Tabby	Tuna Snaps

CLUE 1 Place value

Ref Paws inspects the stadium digit screen to track digits in the suspect locker number.

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

T								T									
80	60	10	1000	9000	10	30	400	200	80	60	6000	10	100	600	3000	10	1000
		T															
9000	3000	80	40	10	30	500	30	900	50	3000	40	90	30	5000	10		

What is the value of the 8 in 22,189?

→

T

What is the value of the 1 in 870,103?

→

F

What is the value of the 9 in 59,234?

→

N

What is the value of the 1 in 923,514?

→

E

What is the value of the 1 in 631,974?

→

S

What is the value of the 3 in 442,638?

→

A

What is the value of the 9 in 13,293?

→

C

What is the value of the 6 in 726,559?

→

I

What is the value of the 9 in 654,922?

→

G

What is the value of the 6 in 89,619?

→

D

What is the value of the 6 in 55,864?

→

H

What is the value of the 5 in 282,154?

→

L

What is the value of the 5 in 918,548?

→

R

What is the value of the 2 in 871,240?

→

Y

What is the value of the 5 in 75,266?

→

P

What is the value of the 4 in 77,949?

→

W

What is the value of the 4 in 17,400?

→

K

What is the value of the 3 in 573,908?

→

O

Scratch space:

CLUE 2 Addition

Coach Whiskers adds up all the fallen pumpkin cones near the end zone.

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

T									T				T			
6474	8989	8584	8851	4255	8851	7763	8584	9426	6474	3069	8584	3588	6474	7763	5877	8129

				T				T					T					
7763	8597	5625	5058	6474	8851	8501	5058	6474	8989	8584	3588	8501	8501	6474	2604	5877	3069	3069

$3615 + 2859 = \boxed{} \rightarrow \boxed{T}$

$2159 + 3466 = \boxed{} \rightarrow \boxed{I}$

$3245 + 1813 = \boxed{} \rightarrow \boxed{N}$

$1782 + 2473 = \boxed{} \rightarrow \boxed{U}$

$3733 + 2144 = \boxed{} \rightarrow \boxed{A}$

$2481 + 1107 = \boxed{} \rightarrow \boxed{F}$

$5833 + 2668 = \boxed{} \rightarrow \boxed{O}$

$2751 + 6100 = \boxed{} \rightarrow \boxed{S}$

$3493 + 5104 = \boxed{} \rightarrow \boxed{R}$

$3721 + 4042 = \boxed{} \rightarrow \boxed{P}$

$5119 + 3870 = \boxed{} \rightarrow \boxed{H}$

$6502 + 2924 = \boxed{} \rightarrow \boxed{C}$

$5497 + 3087 = \boxed{} \rightarrow \boxed{E}$

$1038 + 1566 = \boxed{} \rightarrow \boxed{B}$

$1419 + 1650 = \boxed{} \rightarrow \boxed{L}$

$2442 + 5687 = \boxed{} \rightarrow \boxed{W}$

Scratch space:

CLUE 3

Subtraction

Detective Kitty subtracts the missing football yards from the total play.

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

T									T										
2723	2794	7829	6980	1023	7829	5794	6554	7573	2723	2794	1153	7829	7509	2122	5794	6980			
7509	5046	1153	3714	7829	6450	8487	7573	6980	8866	7292	7829	5794	6554	7573	1124	5046	7292	6980	7829

$6486 - 3763 = \square \rightarrow \boxed{\text{T}}$

$7806 - 1252 = \square \rightarrow \boxed{\text{K}}$

$7613 - 321 = \square \rightarrow \boxed{\text{U}}$

$4245 - 3092 = \square \rightarrow \boxed{\text{I}}$

$3035 - 1911 = \square \rightarrow \boxed{\text{M}}$

$6789 - 3995 = \square \rightarrow \boxed{\text{H}}$

$4111 - 397 = \square \rightarrow \boxed{\text{L}}$

$9956 - 4910 = \square \rightarrow \boxed{\text{O}}$

$6063 - 3941 = \square \rightarrow \boxed{\text{W}}$

$6576 - 782 = \square \rightarrow \boxed{\text{A}}$

$7956 - 447 = \square \rightarrow \boxed{\text{F}}$

$11326 - 3753 = \square \rightarrow \boxed{\text{Y}}$

$9647 - 2667 = \square \rightarrow \boxed{\text{S}}$

$2583 - 1560 = \square \rightarrow \boxed{\text{N}}$

$12889 - 4402 = \square \rightarrow \boxed{\text{B}}$

$8163 - 334 = \square \rightarrow \boxed{\text{E}}$

$8278 - 1828 = \square \rightarrow \boxed{\text{D}}$

$10962 - 2096 = \square \rightarrow \boxed{\text{Q}}$

Scratch space:

CLUE 4 Rounding

The stadium scoreboard rounds off the crowd attendance to the nearest thousand.

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

C				C					C							
2900	5000	700	2300	2900	200	2000	5000	230	2900	30	1700	170	70	900	5000	1100

1700	200	170	300	50	200	300	230	30	90	1700	2300	90	700	50		

Round 2,924 to the nearest hundred → **C**

Round 155 to the nearest hundred → **O**

Round 91 to the nearest ten → **E**

Round 31 to the nearest ten → **H**

Round 5,462 to the nearest thousand → **A**

Round 319 to the nearest hundred → **N**

Round 46 to the nearest ten → **D**

Round 947 to the nearest hundred → **W**

Round 747 to the nearest hundred → **L**

Round 2,322 to the nearest hundred → **I**

Round 1,141 to the nearest hundred → **S**

Round 71 to the nearest ten → **R**

Round 1,700 to the nearest hundred → **F**

Round 174 to the nearest ten → **U**

Round 1,743 to the nearest thousand → **P**

Round 231 to the nearest ten → **T**

Scratch space:

CLUE 5**Missing addends - the last clue**

The scoreboard team finds a missing number in the final quarter score sum.

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:

$32 + \underline{\quad} = 42$

$20 + \underline{\quad} = 28$

$30 + \underline{\quad} = 31$

$33 + \underline{\quad} = 45$

$7 + \underline{\quad} = 13$

$12 + \underline{\quad} = 15$

$14 + \underline{\quad} = 19$

$21 + \underline{\quad} = 25$

$26 + \underline{\quad} = 33$

$10 + \underline{\quad} = 21$

$13 + \underline{\quad} = 15$

Step 2 - cross out the sentence with each answer:

1. The villain leaped with purr blitz, then snatched the pumpkin helmet.
2. The villain tackled with yarn tackle, then floated in ghost jersey.
3. The villain pounced with laser pounce, then floated in ghost jersey.
4. The villain pounced with laser pounce, then adjusted the glow cape.
5. The villain sprinted with catnip dash, then snatched the pumpkin helmet.
6. The villain sprinted with catnip dash, then adjusted the glow cape.
7. The villain tackled with yarn tackle, then adjusted the glow cape.
8. The villain danced with tail spin, then snatched the pumpkin helmet.
9. The villain tackled with yarn tackle, then laced up bat wing cleats.
10. The villain tackled with yarn tackle, then snatched the pumpkin helmet.
11. The villain danced with tail spin, then laced up bat wing cleats.
12. The villain pounced with laser pounce, then snatched the pumpkin helmet.

Answer Key

The Spooky Bowl Catnip Caper

Culprit: Justin Jefferson-fur

Yarn Tackle · Bat Wing Cleats · Left Pawed · Calico Patch · Squeaky Mouse

Trail: Start 21 → Clue 1 19 → Clue 2 11 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Place value): "THE SNEAKY THIEF DOES NOT WEAR A GLOW CAPE"

What is the value of the 8 in 22,189? = 80 (T) · What is the value of the 1 in 870,103? = 100 (F) · What is the value of the 9 in 59,234? = 9000 (N) · What is the value of the 1 in 923,514? = 10 (E) · What is the value of the 1 in 631,974? = 1000 (S) · What is the value of the 3 in 442,638? = 30 (A) · What is the value of the 9 in 13,293? = 90 (C) · What is the value of the 6 in 726,559? = 6000 (I) · What is the value of the 9 in 654,922? = 900 (G) · What is the value of the 6 in 89,619? = 600 (D) · What is the value of the 6 in 55,864? = 60 (H) · What is the value of the 5 in 282,154? = 50 (L) · What is the value of the 5 in 918,548? = 500 (R) · What is the value of the 2 in 871,240? = 200 (Y) · What is the value of the 5 in 75,266? = 5000 (P) · What is the value of the 4 in 77,949? = 40 (W) · What is the value of the 4 in 17,400? = 400 (K) · What is the value of the 3 in 573,908? = 3000 (O)

Clue 2 (Addition): "THE SUSPECT LEFT PAW PRINTS ON THE FOOTBALL"

$3615 + 2859 = 6474$ (T) · $2159 + 3466 = 5625$ (I) · $3245 + 1813 = 5058$ (N) · $1782 + 2473 = 4255$ (U) · $3733 + 2144 = 5877$ (A) · $2481 + 1107 = 3588$ (F) · $5833 + 2668 = 8501$ (O) · $2751 + 6100 = 8851$ (S) · $3493 + 5104 = 8597$ (R) · $3721 + 4042 = 7763$ (P) · $5119 + 3870 = 8989$ (H) · $6502 + 2924 = 9426$ (C) · $5497 + 3087 = 8584$ (E) · $1038 + 1566 = 2604$ (B) · $1419 + 1650 = 3069$ (L) · $2442 + 5687 = 8129$ (W)

Clue 3 (Subtraction): "THE SNEAKY THIEF WAS FOILED BY SQUEAKY MOUSE"

$6486 - 3763 = 2723$ (T) · $7806 - 1252 = 6554$ (K) · $7613 - 321 = 7292$ (U) · $4245 - 3092 = 1153$ (I) · $3035 - 1911 = 1124$ (M) · $6789 - 3995 = 2794$ (H) · $4111 - 397 = 3714$ (L) · $9956 - 4910 = 5046$ (O) · $6063 - 3941 = 2122$ (W) · $6576 - 782 = 5794$ (A) · $7956 - 447 = 7509$ (F) · $11326 - 3753 = 7573$ (Y) · $9647 - 2667 = 6980$ (S) · $2583 - 1560 = 1023$ (N) · $12889 - 4402 = 8487$ (B) · $8163 - 334 = 7829$ (E) · $8278 - 1828 = 6450$ (D) · $10962 - 2096 = 8866$ (Q)

Clue 4 (Rounding): "CALICO PATCH FUR WAS FOUND ON THE FIELD"

Round 2,924 to the nearest hundred = 2900 (C) · Round 155 to the nearest hundred = 200 (O) · Round 91 to the nearest ten = 90 (E) · Round 31 to the nearest ten = 30 (H) · Round 5,462 to the nearest thousand = 5000 (A) · Round 319 to the nearest hundred = 300 (N) · Round 46 to the nearest ten = 50 (D) · Round 947 to the nearest hundred = 900 (W) · Round 747 to the nearest hundred = 700 (L) · Round 2,322 to the nearest hundred = 2300 (I) · Round 1,141 to the nearest hundred = 1100 (S) · Round 71 to the nearest ten = 70 (R) · Round 1,700 to the nearest hundred = 1700 (F) · Round 174 to the nearest ten = 170 (U) · Round 1,743 to the nearest thousand = 2000 (P) · Round 231 to the nearest ten = 230 (T)

Clue 5 (Missing addends): surviving statement is box 9 → Justin Jefferson-fur

$32 + \underline{\quad} = 42 = 10$ · $20 + \underline{\quad} = 28 = 8$ · $30 + \underline{\quad} = 31 = 1$ · $33 + \underline{\quad} = 45 = 12$ · $7 + \underline{\quad} = 13 = 6$ · $12 + \underline{\quad} = 15 = 3$ · $14 + \underline{\quad} = 19 = 5$ · $21 + \underline{\quad} = 25 = 4$ · $26 + \underline{\quad} = 33 = 7$ · $10 + \underline{\quad} = 21 = 11$ · $13 + \underline{\quad} = 15 = 2$