



The Spooky Bowl Mystery

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

Detective: _____ Date: _____

On Halloween night at Meow Stadium, the Golden Catnip Trophy vanished right before kickoff! A sneaky player in costume took off with it. Help Detective Paw decode the locker room clues and catch the culprit!

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 Trickster Feline 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 COSTUME	THROWING STYLE	FUR PATTERN	SPOOKY SNACK
Aaron Clawgers	Pumpkin Punt	Witch Hat	Right Pawed	Black Fur	Garlic Tuna
Justin Jeffersonclaw	Paws Pass	Skeleton Suit	Right Pawed	Orange Tabby	Garlic Tuna
Sauce Clawgard	Scratch Tackle	Vampire Cape	Right Pawed	Black Fur	Garlic Tuna
Jalen Hurtsclaw	Pumpkin Punt	Witch Hat	Right Pawed	Orange Tabby	Garlic Tuna
Travis Pawce	Catnip Dash	Mummy Wrap	Right Pawed	Black Fur	Garlic Tuna
Tyreek Whisker	Pumpkin Punt	Ghost Sheet	Right Pawed	Black Fur	Pumpkin Treat
Micah Pawson	Scratch Tackle	Skeleton Suit	Right Pawed	Orange Tabby	Pumpkin Treat
Dak Purrspress	Tail Catch	Vampire Cape	Right Pawed	Black Fur	Garlic Tuna
Josh Alleycat	Catnip Dash	Skeleton Suit	Left Pawed	Orange Tabby	Pumpkin Treat
Cooper Pawpp	Paws Pass	Witch Hat	Right Pawed	Calico Fur	Sour Catnip
T.J. Wattcat	Paws Pass	Vampire Cape	Left Pawed	Black Fur	Sour Catnip
Tom Bradykat	Catnip Dash	Witch Hat	Right Pawed	Orange Tabby	Garlic Tuna
Derrick Clawhen	Catnip Dash	Witch Hat	Right Pawed	Calico Fur	Pumpkin Treat
Myles Garrettcats	Pumpkin Punt	Ghost Sheet	Right Pawed	Calico Fur	Garlic Tuna
Russell Wiskers	Paws Pass	Witch Hat	Right Pawed	Orange Tabby	Garlic Tuna
Saquon Barkclaw	Pumpkin Punt	Skeleton Suit	Right Pawed	Calico Fur	Garlic Tuna
Lamar Jackat	Tail Catch	Witch Hat	Left Pawed	Calico Fur	Pumpkin Treat
Nick Bosa-Cat	Paws Pass	Witch Hat	Left Pawed	Black Fur	Garlic Tuna
Patrick Purrrhones	Scratch Tackle	Vampire Cape	Left Pawed	Black Fur	Sour Catnip
Peyton Meowing	Paws Pass	Mummy Wrap	Right Pawed	Orange Tabby	Garlic Tuna
Tua Tagovailoacat	Catnip Dash	Vampire Cape	Right Pawed	Black Fur	Garlic Tuna

CLUE 1

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

4000 70 500 80 90 700 700 9000 90 30 600 300 500 900 30 300 4000

10 500 9000 60 9000 100 200 100 100 2000 10 60 9000 5000

10

→ T

11

→ **P**

11

→ **E**

1

→ **M**

10

→ L

10

→ **O**

10

→ **V**

1

→ **H**

1

→ I

10

→ **S**

→ **N**

10

→ **D**

→ **R**

→ **A**

$$\rightarrow [Y]$$

11

$$\rightarrow \begin{bmatrix} \mathbf{w} \end{bmatrix}$$

10

→ U

Scratch space:

CLUE 2

Addition

Coach Kitty tallied up all the jack-o-lantern footballs in the locker room.

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

A									A				
5880	3052	9283	7142	7515	3299	8335	8335	8335	5880	3052	7142	9674	3299

				A										
9054	9283	4495	4495	5880	9283	7515	7142	9674	7366	8955	3052	7366	9283	8523

	A			
6020	5880	3052	3299	6722

$3274 + 2606 = \square \rightarrow \boxed{\text{A}}$

$2750 + 1745 = \square \rightarrow \boxed{\text{L}}$

$1171 + 2128 = \square \rightarrow \boxed{\text{E}}$

$2004 + 1048 = \square \rightarrow \boxed{\text{W}}$

$3312 + 5971 = \square \rightarrow \boxed{\text{I}}$

$2438 + 4284 = \square \rightarrow \boxed{\text{D}}$

$2937 + 4578 = \square \rightarrow \boxed{\text{N}}$

$4502 + 5172 = \square \rightarrow \boxed{\text{H}}$

$2683 + 3337 = \square \rightarrow \boxed{\text{P}}$

$3104 + 5231 = \square \rightarrow \boxed{\text{S}}$

$5480 + 3043 = \square \rightarrow \boxed{\text{G}}$

$4275 + 4779 = \square \rightarrow \boxed{\text{V}}$

$2546 + 4596 = \square \rightarrow \boxed{\text{T}}$

$4279 + 3087 = \square \rightarrow \boxed{\text{R}}$

$4828 + 4127 = \square \rightarrow \boxed{\text{O}}$

Scratch space:

CLUE 3

Subtraction

The ref counted how many Halloween penalty flags were missing from the pouch.

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

T																
6738	4560	7602	1701	7328	1021	1021	7475	7328	5927	4579	7475	5927	7475	8431	7475	1577

										T			
4857	4579	8504	4913	5115	7475	4579	1021	7328	6259	6738	1201	5927	7475

$$11725 - 4987 = \boxed{} \rightarrow \boxed{T}$$

$$9432 - 3505 = \boxed{} \rightarrow \boxed{N}$$

$$1911 - 890 = \boxed{} \rightarrow \boxed{L}$$

$$11024 - 3549 = \boxed{} \rightarrow \boxed{A}$$

$$9298 - 867 = \boxed{} \rightarrow \boxed{W}$$

$$5747 - 834 = \boxed{} \rightarrow \boxed{M}$$

$$7222 - 2365 = \boxed{} \rightarrow \boxed{F}$$

$$5342 - 3765 = \boxed{} \rightarrow \boxed{Y}$$

$$8843 - 3728 = \boxed{} \rightarrow \boxed{G}$$

$$7545 - 2985 = \boxed{} \rightarrow \boxed{H}$$

$$8487 - 2228 = \boxed{} \rightarrow \boxed{C}$$

$$5371 - 3670 = \boxed{} \rightarrow \boxed{V}$$

$$13275 - 4771 = \boxed{} \rightarrow \boxed{O}$$

$$2662 - 1461 = \boxed{} \rightarrow \boxed{U}$$

$$11211 - 3609 = \boxed{} \rightarrow \boxed{E}$$

$$8866 - 1538 = \boxed{} \rightarrow \boxed{I}$$

$$5825 - 1246 = \boxed{} \rightarrow \boxed{R}$$

Scratch space:

CLUE 4 Rounding

The stadium radar gun rounded the speed of the mystery runner on the field.

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

T																	
290	1100	90	4300	370	90	50	90	1100	110	1700	4300	290	5000	110	50	1700	4300

300	2900	1300	70	110	370	700	2900	3000	5000

Round 290 to the nearest ten → **T**

Round 94 to the nearest ten → **E**

Round 651 to the nearest hundred → **K**

Round 1,343 to the nearest hundred → **B**

Round 49 to the nearest ten → **N**

Round 3,020 to the nearest thousand → **U**

Round 1,672 to the nearest hundred → **D**

Round 1,116 to the nearest hundred → **H**

Round 4,805 to the nearest thousand → **R**

Round 4,343 to the nearest hundred → **S**

Round 257 to the nearest hundred → **O**

Round 74 to the nearest ten → **L**

Round 108 to the nearest ten → **A**

Round 2,899 to the nearest hundred → **F**

Round 369 to the nearest ten → **C**

Scratch space:

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

Detective Paw solved the missing ticket count at the stadium gate.

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:

$27 + \underline{\quad} = 35$

$29 + \underline{\quad} = 39$

$9 + \underline{\quad} = 10$

$31 + \underline{\quad} = 35$

$36 + \underline{\quad} = 43$

$6 + \underline{\quad} = 12$

$7 + \underline{\quad} = 10$

$6 + \underline{\quad} = 8$

$31 + \underline{\quad} = 40$

$7 + \underline{\quad} = 18$

$18 + \underline{\quad} = 30$

Step 2 - cross out the sentence with each answer:

1. The villain made a scratch tackle, then zipped up a vampire cape.
2. The villain kicked a pumpkin punt, then flapped a ghost sheet.
3. The villain threw a paws pass, then rattled in a skeleton suit.
4. The villain threw a paws pass, then flapped a ghost sheet.
5. The villain kicked a pumpkin punt, then adjusted a witch hat.
6. The villain threw a paws pass, then tangled in a mummy wrap.
7. The villain made a tail catch, then tangled in a mummy wrap.
8. The villain made a tail catch, then zipped up a vampire cape.
9. The villain made a scratch tackle, then adjusted a witch hat.
10. The villain did a catnip dash, then zipped up a vampire cape.
11. The villain made a tail catch, then adjusted a witch hat.
12. The villain kicked a pumpkin punt, then zipped up a vampire cape.

Answer Key

The Spooky Bowl Mystery

Culprit: Aaron Clawgers

Pumpkin Punt · Witch Hat · Right Pawed · Black Fur · Garlic Tuna

Trail: Start 21 → Clue 1 19 → Clue 2 14 → Clue 3 10 → Clue 4 4 → Clue 5 1

Clue 1 (Place value): "THE VILLAIN DOES NOT WEAR A MUMMY WRAP"

What is the value of the 4 in 54,875? = 4000 (T) · What is the value of the 5 in 5,171? = 5000 (P) · What is the value of the 5 in 504? = 500 (E) · What is the value of the 1 in 7,103? = 100 (M) · What is the value of the 7 in 9,739? = 700 (L) · What is the value of the 3 in 312? = 300 (O) · What is the value of the 8 in 3,487? = 80 (V) · What is the value of the 7 in 1,670? = 70 (H) · What is the value of the 9 in 4,693? = 90 (I) · What is the value of the 9 in 963? = 900 (S) · What is the value of the 3 in 439? = 30 (N) · What is the value of the 6 in 2,645? = 600 (D) · What is the value of the 6 in 463? = 60 (R) · What is the value of the 9 in 89,868? = 9000 (A) · What is the value of the 2 in 2,703? = 2000 (Y) · What is the value of the 1 in 5,912? = 10 (W) · What is the value of the 2 in 5,271? = 200 (U)

Clue 2 (Addition): "A WITNESS SAW THE VILLAIN THROW RIGHT PAWED"

3274 + 2606 = 5880 (A) · 2750 + 1745 = 4495 (L) · 1171 + 2128 = 3299 (E) · 2004 + 1048 = 3052 (W) · 3312 + 5971 = 9283 (I) · 2438 + 4284 = 6722 (D) · 2937 + 4578 = 7515 (N) · 4502 + 5172 = 9674 (H) · 2683 + 3337 = 6020 (P) · 3104 + 5231 = 8335 (S) · 5480 + 3043 = 8523 (G) · 4275 + 4779 = 9054 (V) · 2546 + 4596 = 7142 (T) · 4279 + 3087 = 7366 (R) · 4828 + 4127 = 8955 (O)

Clue 3 (Subtraction): "THE VILLAIN RAN AWAY FROM GARLIC TUNA"

11725 - 4987 = 6738 (T) · 9432 - 3505 = 5927 (N) · 1911 - 890 = 1021 (L) · 11024 - 3549 = 7475 (A) · 9298 - 867 = 8431 (W) · 5747 - 834 = 4913 (M) · 7222 - 2365 = 4857 (F) · 5342 - 3765 = 1577 (Y) · 8843 - 3728 = 5115 (G) · 7545 - 2985 = 4560 (H) · 8487 - 2228 = 6259 (C) · 5371 - 3670 = 1701 (V) · 13275 - 4771 = 8504 (O) · 2662 - 1461 = 1201 (U) · 11211 - 3609 = 7602 (E) · 8866 - 1538 = 7328 (I) · 5825 - 1246 = 4579 (R)

Clue 4 (Rounding): "THE SCENE HAD STRANDS OF BLACK FUR"

Round 290 to the nearest ten = 290 (T) · Round 94 to the nearest ten = 90 (E) · Round 651 to the nearest hundred = 700 (K) · Round 1,343 to the nearest hundred = 1300 (B) · Round 49 to the nearest ten = 50 (N) · Round 3,020 to the nearest thousand = 3000 (U) · Round 1,672 to the nearest hundred = 1700 (D) · Round 1,116 to the nearest hundred = 1100 (H) · Round 4,805 to the nearest thousand = 5000 (R) · Round 4,343 to the nearest hundred = 4300 (S) · Round 257 to the nearest hundred = 300 (O) · Round 74 to the nearest ten = 70 (L) · Round 108 to the nearest ten = 110 (A) · Round 2,899 to the nearest hundred = 2900 (F) · Round 369 to the nearest ten = 370 (C)

Clue 5 (Missing addends): surviving statement is box 5 → Aaron Clawgers

27 + ___ = 35 = 8 · 29 + ___ = 39 = 10 · 9 + ___ = 10 = 1 · 31 + ___ = 35 = 4 · 36 + ___ = 43 = 7 · 6 + ___ = 12 = 6 · 7 + ___ = 10 = 3 · 6 + ___ = 8 = 2 · 31 + ___ = 40 = 9 · 7 + ___ = 18 = 11 · 18 + ___ = 30 = 12