



The Haunted Harvest Heist

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

Detective: _____ Date: _____

A mystery culprit snuck into Pumpkin Hollow and hid the Golden Jack O Lantern right before the midnight judging! Detective, solve the math clues to uncover who did it.

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 Phantom Prankster is _____

Possible suspects

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

NAME	SPOOKY MAGIC	HALLOWEEN GADGET	GLOVE HAND	WIG COLOR	TREAT DISLIKE
Frank N Stein	Shadow Camouflage	Bat Drone Remote	Left Handed Glove	Slime Green Wig	Chewy Black Licorice
Bram Stoker	Shadow Camouflage	Fog Machine Blaster	Right Handed Glove	Slime Green Wig	Sour Apple Drops
Sabrina Spellman	Pumpkin Transformation	Spiderweb Net Gun	Left Handed Glove	Midnight Purple Wig	Sour Apple Drops
Wendy Witch	Shadow Camouflage	Spiderweb Net Gun	Right Handed Glove	Midnight Purple Wig	Fizzy Pop Rocks
Gomez Addams	Ghostly Levitation	Slime Sprayer	Left Handed Glove	Midnight Purple Wig	Sour Apple Drops
Mary Shelley	Bat Swarm Summons	Candy Corn Launcher	Left Handed Glove	Midnight Purple Wig	Sour Apple Drops
Victor Frankenstein	Glow In Dark Aura	Slime Sprayer	Left Handed Glove	Slime Green Wig	Sour Apple Drops
Wednesday Addams	Ghostly Levitation	Bat Drone Remote	Left Handed Glove	Neon Orange Wig	Sour Apple Drops
Casper White	Glow In Dark Aura	Bat Drone Remote	Right Handed Glove	Midnight Purple Wig	Chewy Black Licorice
Jack O Lantern	Pumpkin Transformation	Fog Machine Blaster	Left Handed Glove	Midnight Purple Wig	Sour Apple Drops
Boris Karloff	Ghostly Levitation	Fog Machine Blaster	Right Handed Glove	Midnight Purple Wig	Sour Apple Drops
Igor Smith	Pumpkin Transformation	Bat Drone Remote	Left Handed Glove	Midnight Purple Wig	Fizzy Pop Rocks
Vincent Price	Ghostly Levitation	Fog Machine Blaster	Left Handed Glove	Neon Orange Wig	Fizzy Pop Rocks
Coraline Jones	Ghostly Levitation	Slime Sprayer	Right Handed Glove	Midnight Purple Wig	Sour Apple Drops
Elvira Mistress	Shadow Camouflage	Bat Drone Remote	Left Handed Glove	Midnight Purple Wig	Sour Apple Drops
Bela Lugosi	Bat Swarm Summons	Slime Sprayer	Left Handed Glove	Midnight Purple Wig	Chewy Black Licorice
Herman Munster	Pumpkin Transformation	Candy Corn Launcher	Left Handed Glove	Midnight Purple Wig	Fizzy Pop Rocks
Sally Skellington	Pumpkin Transformation	Spiderweb Net Gun	Left Handed Glove	Neon Orange Wig	Fizzy Pop Rocks
Luna Moon	Glow In Dark Aura	Bat Drone Remote	Right Handed Glove	Slime Green Wig	Chewy Black Licorice
Barnaby Spook	Pumpkin Transformation	Spiderweb Net Gun	Left Handed Glove	Slime Green Wig	Chewy Black Licorice
Binx Cat	Ghostly Levitation	Candy Corn Launcher	Right Handed Glove	Neon Orange Wig	Sour Apple Drops

CLUE 1

The digital gate counter only shows rounded numbers for crowds entering the pumpkin patch.

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

The diagram shows three rows of boxes representing a multiplication problem. The first row has boxes for 430, 90, 2300, 500, 20, 700, 700, 2900, 20, 170, 130, 30, 2300, 5000, 170, 30, and 430. The second row has boxes for 1100, 5000, 2300, 2900, 230, 2900, 170, 130, 3700, 230, 30, 3000, and 170. The third row has boxes for 700, 2900, 1100, 170, 230, 90, 2300, and 3000. The boxes are arranged in a grid-like structure with some boxes containing the letter 'T'.

Round 430 to the nearest ten $\rightarrow$ **T**

Round 546 to the nearest hundred $\rightarrow$ **V**

Round 2,939 to the nearest hundred → **A**

Round 172 to the nearest ten $\rightarrow$ **N**

Round 2,255 to the nearest hundred → **E**

Round 3,698 to the nearest hundred $\rightarrow$ **Y**

Round 29 to the nearest ten $\rightarrow$

Round 1,148 to the nearest hundred $\rightarrow$ **U**

Round 134 to the nearest ten $\rightarrow$ **D**

Round 93 to the nearest ten $\rightarrow$ **H**

Round 19 to the nearest ten $\rightarrow$

Round 3,399 to the nearest thousand $\rightarrow$ **R**

Round 746 to the nearest hundred $\rightarrow$ **L**

Round 234 to the nearest ten $\rightarrow$ **C**

Round 4,593 to the nearest thousand → **S**

Scratch space:

CLUE 2
Addition

The pumpkin carver tallied all the spooky decorations collected across three party zones.

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

W									W					
5880	3855	9200	8066	9479	6993	6993	6993	5698	5880	5698	9417	9479	4755	9200

3320	5698	8066	4641	9479	4641	3625	9417	5473	6632	9479	5698	9200	9200	3320	9479

6993	5046	9479	8066	9479

$3534 + 2346 = \boxed{} \rightarrow \boxed{\text{W}}$

$3570 + 3062 = \boxed{} \rightarrow \boxed{\text{V}}$

$1566 + 2289 = \boxed{} \rightarrow \boxed{\text{I}}$

$2667 + 1974 = \boxed{} \rightarrow \boxed{\text{D}}$

$2754 + 2944 = \boxed{} \rightarrow \boxed{\text{A}}$

$4237 + 4963 = \boxed{} \rightarrow \boxed{\text{T}}$

$3682 + 3311 = \boxed{} \rightarrow \boxed{\text{S}}$

$1629 + 1996 = \boxed{} \rightarrow \boxed{\text{G}}$

$2307 + 1013 = \boxed{} \rightarrow \boxed{\text{H}}$

$2087 + 2959 = \boxed{} \rightarrow \boxed{\text{C}}$

$3990 + 5427 = \boxed{} \rightarrow \boxed{\text{L}}$

$4686 + 3380 = \boxed{} \rightarrow \boxed{\text{N}}$

$3417 + 2056 = \boxed{} \rightarrow \boxed{\text{O}}$

$4085 + 5394 = \boxed{} \rightarrow \boxed{\text{E}}$

$2581 + 2174 = \boxed{} \rightarrow \boxed{\text{F}}$

Scratch space:

CLUE 3

Subtraction

The festival team subtracted damaged glow sticks from the master inventory list.

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

T																	
2360	6312	8352	4122	4522	4670	4670	8722	4522	5593	3163	8722	5593	8722	1797	8722	5411	
3727	3163	1311	7917	8443	1311	5247	3163	8722	5548	5548	4670	8352	1235	3163	1311	5548	8443

$3466 - 1106 = \square \rightarrow \text{T}$

$10341 - 2424 = \square \rightarrow \text{M}$

$9007 - 3760 = \square \rightarrow \text{U}$

$7047 - 2525 = \square \rightarrow \text{I}$

$4641 - 914 = \square \rightarrow \text{F}$

$2793 - 996 = \square \rightarrow \text{W}$

$8153 - 4990 = \square \rightarrow \text{R}$

$5526 - 115 = \square \rightarrow \text{Y}$

$8145 - 1833 = \square \rightarrow \text{H}$

$8461 - 2868 = \square \rightarrow \text{N}$

$4245 - 2934 = \square \rightarrow \text{O}$

$9589 - 867 = \square \rightarrow \text{A}$

$10051 - 4503 = \square \rightarrow \text{P}$

$3768 - 2533 = \square \rightarrow \text{D}$

$7968 - 3846 = \square \rightarrow \text{V}$

$6590 - 1920 = \square \rightarrow \text{L}$

$10005 - 1653 = \square \rightarrow \text{E}$

$11049 - 2606 = \square \rightarrow \text{S}$

Scratch space:

CLUE 4

Multiplication facts (1-12)

Volunteers packed rows of candy bags for the carnival games.

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

A																	
8	70	30	4	16	30	5	6	77	10	1	24	10	12	100	42	30	5
			A				A										
7	77	24	8	16	4	42	8	7	9	16	77	6	100	45	12	9	9

$8 \times 1 = \square \rightarrow \boxed{\text{A}}$

$2 \times 8 = \square \rightarrow \boxed{\text{N}}$

$4 \times 1 = \square \rightarrow \boxed{\text{D}}$

$1 \times 1 = \square \rightarrow \boxed{\text{U}}$

$4 \times 3 = \square \rightarrow \boxed{\text{L}}$

$9 \times 5 = \square \rightarrow \boxed{\text{F}}$

$6 \times 7 = \square \rightarrow \boxed{\text{W}}$

$1 \times 5 = \square \rightarrow \boxed{\text{G}}$

$10 \times 7 = \square \rightarrow \boxed{\text{M}}$

$10 \times 10 = \square \rightarrow \boxed{\text{E}}$

$10 \times 3 = \square \rightarrow \boxed{\text{I}}$

$2 \times 12 = \square \rightarrow \boxed{\text{R}}$

$9 \times 1 = \square \rightarrow \boxed{\text{O}}$

$5 \times 2 = \square \rightarrow \boxed{\text{P}}$

$7 \times 11 = \square \rightarrow \boxed{\text{T}}$

$1 \times 6 = \square \rightarrow \boxed{\text{H}}$

$1 \times 7 = \square \rightarrow \boxed{\text{S}}$

Scratch space:

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

The head carver divided prize ribbons equally among the costume contest tables.

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:

$24 \div 4 = \boxed{}$

$9 \div 9 = \boxed{}$

$35 \div 7 = \boxed{}$

$32 \div 4 = \boxed{}$

$63 \div 7 = \boxed{}$

$8 \div 2 = \boxed{}$

$132 \div 11 = \boxed{}$

$35 \div 5 = \boxed{}$

$120 \div 12 = \boxed{}$

$33 \div 11 = \boxed{}$

$44 \div 4 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain vanished into shadows, then flew away on a bat drone.
2. The villain turned into a giant pumpkin, then blasted heavy fog everywhere.
3. The villain floated through walls, then trapped guards in spiderweb nets.
4. The villain glowed bright green in the dark, then sprayed neon green slime on the floor.
5. The villain turned into a giant pumpkin, then trapped guards in spiderweb nets.
6. The villain floated through walls, then sprayed neon green slime on the floor.
7. The villain summoned a swarm of bats, then trapped guards in spiderweb nets.
8. The villain floated through walls, then fired candy corn at witnesses.
9. The villain summoned a swarm of bats, then blasted heavy fog everywhere.
10. The villain glowed bright green in the dark, then trapped guards in spiderweb nets.
11. The villain floated through walls, then blasted heavy fog everywhere.
12. The villain summoned a swarm of bats, then sprayed neon green slime on the floor.

Answer Key

The Haunted Harvest Heist

Culprit: Jack O Lantern

Pumpkin Transformation · Fog Machine Blaster · Left Handed Glove · Midnight Purple Wig · Sour Apple Drops

Trail: Start 21 → Clue 1 18 → Clue 2 12 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE VILLAIN DOES NOT USE A CANDY CORN LAUNCHER"

Round 430 to the nearest ten = 430 (T) · Round 546 to the nearest hundred = 500 (V) · Round 2,939 to the nearest hundred = 2900 (A) · Round 172 to the nearest ten = 170 (N) · Round 2,255 to the nearest hundred = 2300 (E) · Round 3,698 to the nearest hundred = 3700 (Y) · Round 29 to the nearest ten = 30 (O) · Round 1,148 to the nearest hundred = 1100 (U) · Round 134 to the nearest ten = 130 (D) · Round 93 to the nearest ten = 90 (H) · Round 19 to the nearest ten = 20 (I) · Round 3,399 to the nearest thousand = 3000 (R) · Round 746 to the nearest hundred = 700 (L) · Round 234 to the nearest ten = 230 (C) · Round 4,593 to the nearest thousand = 5000 (S)

Clue 2 (Addition): "WITNESS SAW A LEFT HANDED GLOVE AT THE SCENE"

$3534 + 2346 = 5880$ (W) · $3570 + 3062 = 6632$ (V) · $1566 + 2289 = 3855$ (I) · $2667 + 1974 = 4641$ (D) · $2754 + 2944 = 5698$ (A) · $4237 + 4963 = 9200$ (T) · $3682 + 3311 = 6993$ (S) · $1629 + 1996 = 3625$ (G) · $2307 + 1013 = 3320$ (H) · $2087 + 2959 = 5046$ (C) · $3990 + 5427 = 9417$ (L) · $4686 + 3380 = 8066$ (N) · $3417 + 2056 = 5473$ (O) · $4085 + 5394 = 9479$ (E) · $2581 + 2174 = 4755$ (F)

Clue 3 (Subtraction): "THE VILLAIN RAN AWAY FROM SOUR APPLE DROPS"

$3466 - 1106 = 2360$ (T) · $10341 - 2424 = 7917$ (M) · $9007 - 3760 = 5247$ (U) · $7047 - 2525 = 4522$ (I) · $4641 - 914 = 3727$ (F) · $2793 - 996 = 1797$ (W) · $8153 - 4990 = 3163$ (R) · $5526 - 115 = 5411$ (Y) · $8145 - 1833 = 6312$ (H) · $8461 - 2868 = 5593$ (N) · $4245 - 2934 = 1311$ (O) · $9589 - 867 = 8722$ (A) · $10051 - 4503 = 5548$ (P) · $3768 - 2533 = 1235$ (D) · $7968 - 3846 = 4122$ (V) · $6590 - 1920 = 4670$ (L) · $10005 - 1653 = 8352$ (E) · $11049 - 2606 = 8443$ (S)

Clue 4 (Multiplication facts (1-12)): "A MIDNIGHT PURPLE WIG STRAND WAS ON THE FLOOR"

$8 \times 1 = 8$ (A) · $2 \times 8 = 16$ (N) · $4 \times 1 = 4$ (D) · $1 \times 1 = 1$ (U) · $4 \times 3 = 12$ (L) · $9 \times 5 = 45$ (F) · $6 \times 7 = 42$ (W) · $1 \times 5 = 5$ (G) · $10 \times 7 = 70$ (M) · $10 \times 10 = 100$ (E) · $10 \times 3 = 30$ (I) · $2 \times 12 = 24$ (R) · $9 \times 1 = 9$ (O) · $5 \times 2 = 10$ (P) · $7 \times 11 = 77$ (T) · $1 \times 6 = 6$ (H) · $1 \times 7 = 7$ (S)

Clue 5 (Division facts (1-12)): surviving statement is box 2 → Jack O Lantern

$24 \div 4 = 6$ · $9 \div 9 = 1$ · $35 \div 7 = 5$ · $32 \div 4 = 8$ · $63 \div 7 = 9$ · $8 \div 2 = 4$ · $132 \div 11 = 12$ · $35 \div 5 = 7$ · $120 \div 12 = 10$ · $33 \div 11 = 3$ · $44 \div 4 = 11$