The Spooky Street Halloween Mystery

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

Detective: _____ **Date:** _____

On Halloween night, someone stole the Golden Pumpkin Trophy right before the neighborhood parade! Solve the math clues to unmask 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 Mischief Maker is _____

Possible suspects

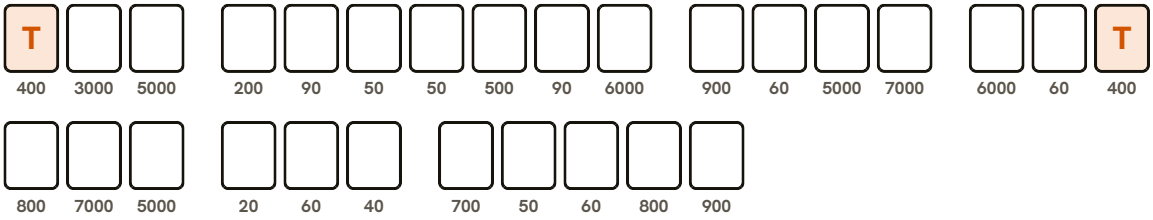
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	TRICK	SPELL	DOMINANT HAND	WIG COLOR	FEAR
Bram Stoker	Bat Swarm	Shadow Sneak	Right handed	Black hair	Garlic spray
Frank N Stein	Candy Trap	Howl Blast	Right handed	Black hair	Silver whistle
Casper Ghost	Candy Trap	Broom Glide	Right handed	Purple hair	Silver whistle
Boris Beast	Ghost Whisper	Howl Blast	Left handed	Black hair	Garlic spray
Timothy Tomb	Spider Web	Fog Cloud	Right handed	Purple hair	Silver whistle
Fiona Fog	Bat Swarm	Goo Dash	Left handed	Black hair	Garlic spray
Sabrina Spell	Candy Trap	Broom Glide	Left handed	Black hair	Silver whistle
Gwendolyn Ghoul	Spider Web	Broom Glide	Left handed	Purple hair	Flashlight ray
Barnaby Bat	Bat Swarm	Goo Dash	Right handed	Black hair	Garlic spray
Mary Shelley	Pumpkin Blast	Goo Dash	Left handed	Purple hair	Flashlight ray
Count Vlad	Candy Trap	Shadow Sneak	Left handed	Black hair	Silver whistle
Pumpkin Pete	Ghost Whisper	Shadow Sneak	Right handed	Purple hair	Garlic spray
Candy Clara	Pumpkin Blast	Broom Glide	Left handed	Black hair	Garlic spray
Gomez Night	Spider Web	Broom Glide	Right handed	Black hair	Garlic spray
Jasper Jack	Ghost Whisper	Shadow Sneak	Right handed	Purple hair	Flashlight ray
Hazel Witch	Candy Trap	Shadow Sneak	Right handed	Black hair	Garlic spray
Sally Skeleton	Ghost Whisper	Howl Blast	Right handed	Black hair	Flashlight ray
Jack O Lantern	Pumpkin Blast	Fog Cloud	Right handed	Black hair	Garlic spray
Morticia Night	Spider Web	Howl Blast	Left handed	Purple hair	Garlic spray
Oliver Owl	Candy Trap	Goo Dash	Left handed	Black hair	Silver whistle
Penelope Phantom	Bat Swarm	Howl Blast	Left handed	Purple hair	Flashlight ray

CLUE 1 Place value

The sneaky culprit locked a clue box using a secret code on the digital porch clock.

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



What is the value of the 4 in 492? ☐ → T

What is the value of the 7 in 3,785? ☐ → C

What is the value of the 5 in 450? ☐ → L

What is the value of the 5 in 9,511? ☐ → A

What is the value of the 4 in 647? ☐ → G

What is the value of the 9 in 291? ☐ → I

What is the value of the 8 in 870? ☐ → U

What is the value of the 6 in 6,095? ☐ → N

What is the value of the 3 in 3,450? ☐ → H

What is the value of the 2 in 8,526? ☐ → F

What is the value of the 2 in 9,207? ☐ → V

What is the value of the 9 in 1,964? ☐ → D

What is the value of the 7 in 7,284? ☐ → S

What is the value of the 6 in 869? ☐ → O

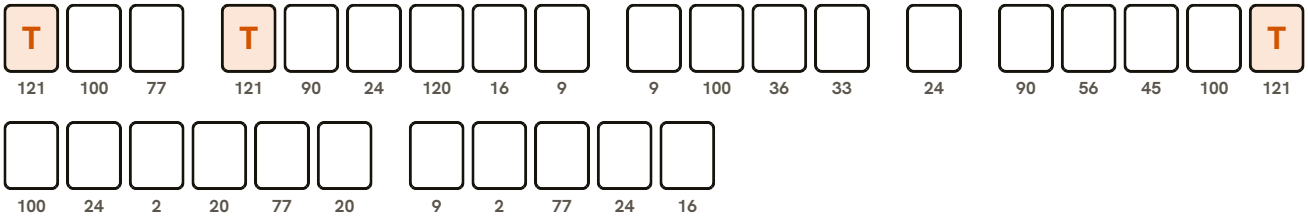
What is the value of the 5 in 15,997? ☐ → E

Scratch space:

CLUE 2 Multiplication facts (1-12)

> You find crates of Halloween decorations stacked evenly in the haunted backyard.

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



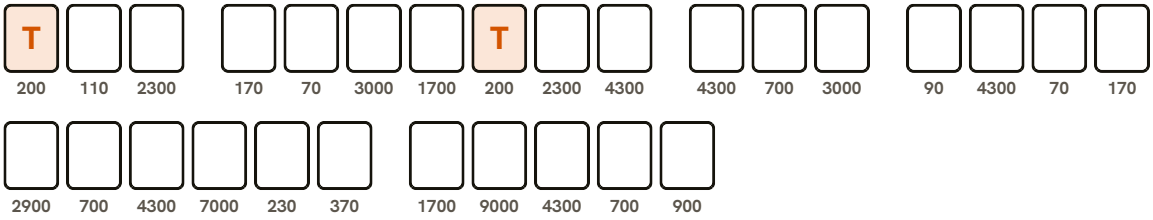
11 × 11 = ☐ → T	1 × 2 = ☐ → N	9 × 1 = ☐ → S
8 × 7 = ☐ → I	10 × 10 = ☐ → H	4 × 4 = ☐ → K
5 × 9 = ☐ → G	2 × 12 = ☐ → A	10 × 12 = ☐ → C
12 × 3 = ☐ → O	3 × 11 = ☐ → W	10 × 9 = ☐ → R
7 × 11 = ☐ → E	4 × 5 = ☐ → D	

Scratch space:

CLUE 3 Rounding

A magic ghost detector only gives rounded numbers for distances through the mist.

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



Round 207 to the nearest hundred ☐ → **T**

Round 680 to the nearest hundred ☐ → **A**

Round 2,318 to the nearest hundred ☐ → **E**

Round 2,855 to the nearest hundred ☐ → **G**

Round 174 to the nearest ten ☐ → **M**

Round 89 to the nearest ten ☐ → **F**

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

Round 69 to the nearest ten ☐ → **O**

Round 7,052 to the nearest thousand ☐ → **L**

Round 373 to the nearest ten ☐ → **C**

Round 927 to the nearest hundred ☐ → **Y**

Round 230 to the nearest ten ☐ → **I**

Round 2,583 to the nearest thousand ☐ → **N**

Round 107 to the nearest ten ☐ → **H**

Round 8,910 to the nearest thousand ☐ → **P**

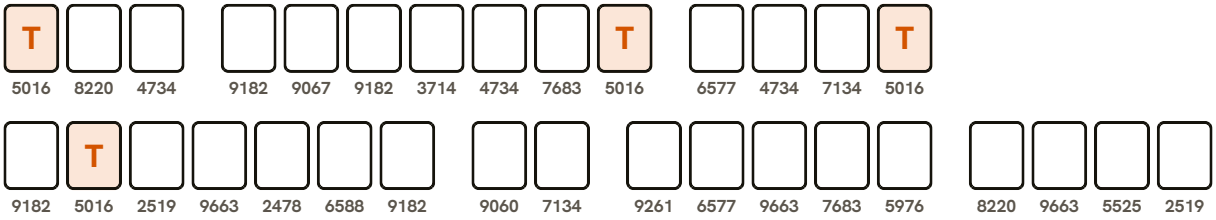
Round 1,722 to the nearest hundred ☐ → **S**

Scratch space:

CLUE 4 Addition

You gather up all the leftover glow sticks dropped along the spooky sidewalk.

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



2229 + 2787 = ☐ → T

1691 + 787 = ☐ → N

2128 + 3397 = ☐ → I

3666 + 2911 = ☐ → L

4997 + 4063 = ☐ → O

3086 + 6096 = ☐ → S

1734 + 785 = ☐ → R

3707 + 3976 = ☐ → C

1539 + 3195 = ☐ → E

4679 + 4388 = ☐ → U

5386 + 3875 = ☐ → B

2519 + 1195 = ☐ → P

3004 + 2972 = ☐ → K

4624 + 3596 = ☐ → H

4267 + 5396 = ☐ → A

4647 + 2487 = ☐ → F

3247 + 3341 = ☐ → D

Scratch space:

CLUE 5 Missing addends - the last clue

A trick-or-treat bag needs a total candy count, but some numbers are missing.

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:

6 + ___ = 9 ☐	3 + ___ = 9 ☐	8 + ___ = 12 ☐	36 + ___ = 37 ☐
31 + ___ = 42 ☐	39 + ___ = 49 ☐	28 + ___ = 30 ☐	32 + ___ = 40 ☐
30 + ___ = 39 ☐	30 + ___ = 35 ☐	17 + ___ = 24 ☐	

Step 2 - cross out the sentence with each answer:

1. The villain summoned a bat swarm, then glided away on a broom.
2. The villain laid a sugary candy trap, then dashed across green goo.
3. The villain summoned a bat swarm, then dashed across green goo.
4. The villain wove a spider web trap, then glided away on a broom.
5. The villain wove a spider web trap, then howled at the moon.
6. The villain summoned a bat swarm, then sneaked into shadows.
7. The villain blasted a pumpkin explosion, then dashed across green goo.
8. The villain wove a spider web trap, then created a thick fog cloud.
9. The villain wove a spider web trap, then dashed across green goo.
10. The villain blasted a pumpkin explosion, then created a thick fog cloud.
11. The villain laid a sugary candy trap, then howled at the moon.
12. The villain laid a sugary candy trap, then sneaked into shadows.

TEACHER / PARENT

Answer Key

The Spooky Street Halloween Mystery

Culprit: Hazel Witch

Candy Trap · Shadow Sneak · Right handed · Black hair · Garlic spray

Trail: Start 21 → Clue 1 19 → Clue 2 9 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Place value): "THE VILLAIN DOES NOT USE FOG CLOUD"

What is the value of the 4 in 492? = 400 (T) · What is the value of the 7 in 3,785? = 700 (C) · What is the value of the 5 in 450? = 50 (L) · What is the value of the 5 in 9,511? = 500 (A) · What is the value of the 4 in 647? = 40 (G) · What is the value of the 9 in 291? = 90 (I) · What is the value of the 8 in 870? = 800 (U) · What is the value of the 6 in 6,095? = 6000 (N) · What is the value of the 3 in 3,450? = 3000 (H) · What is the value of the 2 in 8,526? = 20 (F) · What is the value of the 2 in 9,207? = 200 (V) · What is the value of the 9 in 1,964? = 900 (D) · What is the value of the 7 in 7,284? = 7000 (S) · What is the value of the 6 in 869? = 60 (O) · What is the value of the 5 in 15,997? = 5000 (E)

Clue 2 (Multiplication facts (1-12)): "THE TRACKS SHOW A RIGHT HANDED SNEAK"

11 × 11 = 121 (T) · 1 × 2 = 2 (N) · 9 × 1 = 9 (S) · 8 × 7 = 56 (I) · 10 × 10 = 100 (H) · 4 × 4 = 16 (K) · 5 × 9 = 45 (G) · 2 × 12 = 24 (A) · 10 × 12 = 120 (C) · 12 × 3 = 36 (O) · 3 × 11 = 33 (W) · 10 × 9 = 90 (R) · 7 × 11 = 77 (E) · 4 × 5 = 20 (D)

Clue 3 (Rounding): "THE MONSTER RAN FROM GARLIC SPRAY"

Round 207 to the nearest hundred = 200 (T) · Round 680 to the nearest hundred = 700 (A) · Round 2,318 to the nearest hundred = 2300 (E) · Round 2,855 to the nearest hundred = 2900 (G) · Round 174 to the nearest ten = 170 (M) · Round 89 to the nearest ten = 90 (F) · Round 4,252 to the nearest hundred = 4300 (R) · Round 69 to the nearest ten = 70 (O) · Round 7,052 to the nearest thousand = 7000 (L) · Round 373 to the nearest ten = 370 (C) · Round 927 to the nearest hundred = 900 (Y) · Round 230 to the nearest ten = 230 (I) · Round 2,583 to the nearest thousand = 3000 (N) · Round 107 to the nearest ten = 110 (H) · Round 8,910 to the nearest thousand = 9000 (P) · Round 1,722 to the nearest hundred = 1700 (S)

Clue 4 (Addition): "THE SUSPECT LEFT STRANDS OF BLACK HAIR"

2229 + 2787 = 5016 (T) · 1691 + 787 = 2478 (N) · 2128 + 3397 = 5525 (I) · 3666 + 2911 = 6577 (L) · 4997 + 4063 = 9060 (O) · 3086 + 6096 = 9182 (S) · 1734 + 785 = 2519 (R) · 3707 + 3976 = 7683 (C) · 1539 + 3195 = 4734 (E) · 4679 + 4388 = 9067 (U) · 5386 + 3875 = 9261 (B) · 2519 + 1195 = 3714 (P) · 3004 + 2972 = 5976 (K) · 4624 + 3596 = 8220 (H) · 4267 + 5396 = 9663 (A) · 4647 + 2487 = 7134 (F) · 3247 + 3341 = 6588 (D)

Clue 5 (Missing addends): surviving statement is box 12 → Hazel Witch

6 + ___ = 9 = 3 · 3 + ___ = 9 = 6 · 8 + ___ = 12 = 4 · 36 + ___ = 37 = 1 · 31 + ___ = 42 = 11 · 39 + ___ = 49 = 10 · 28 + ___ = 30 = 2 · 32 + ___ = 40 = 8 · 30 + ___ = 39 = 9 · 30 + ___ = 35 = 5 · 17 + ___ = 24 = 7