The Pumpkin Hollow Mystery

Grade 3 math · Addition, Skip counting, Word problems, Rounding, Missing addends · Reading level grades 3-4

Detective: _____ **Date:** _____

Someone snuck into the manor kitchen and hid the Mayor's giant Halloween pie! Use detective clues to track down 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 Spooky Prankster is _____

Possible suspects

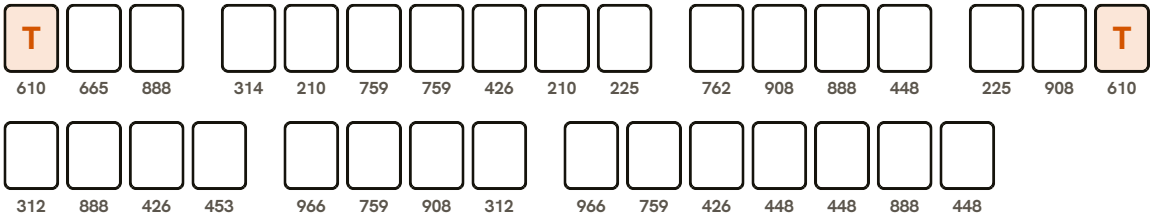
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	SPOOKY SPELL	DISGUISE ITEM	WAND HAND	HAT STYLE	SECRET FEAR
Sabrina Spellman	Vanishing Act	Witch Broom	Left Handed	Pumpkin Beret	Bright Flashlights
Pugsley Addams	Vanishing Act	Black Cape	Left Handed	Pumpkin Beret	Cat Meows
Bramble Broom	Levitation	Spider Ring	Left Handed	Skeleton Beanie	Bright Flashlights
Dracula Senior	Shadow Sneak	Spider Ring	Left Handed	Pumpkin Beret	Bright Flashlights
Luna Lovegood	Shadow Sneak	Glow Glasses	Left Handed	Pumpkin Beret	Bright Flashlights
Ichabod Crane	Bat Swarm	Black Cape	Right Handed	Pumpkin Beret	Bright Flashlights
Salem Saberhagen	Bat Swarm	Fake Teeth	Left Handed	Pumpkin Beret	Bright Flashlights
Hermione Granger	Levitation	Spider Ring	Left Handed	Pumpkin Beret	Bright Flashlights
Frankie Stein	Shadow Sneak	Fake Teeth	Left Handed	Skeleton Beanie	Cat Meows
Casper Ghost	Vanishing Act	Fake Teeth	Left Handed	Pointy Witch Hat	Bright Flashlights
Jack Skellington	Pumpkin Curse	Fake Teeth	Left Handed	Pumpkin Beret	Garlic Spray
Harry Potter	Shadow Sneak	Witch Broom	Right Handed	Pumpkin Beret	Cat Meows
Wolfie Junior	Pumpkin Curse	Black Cape	Left Handed	Skeleton Beanie	Garlic Spray
Morticia Addams	Pumpkin Curse	Spider Ring	Right Handed	Pointy Witch Hat	Bright Flashlights
Wendy Witch	Pumpkin Curse	Glow Glasses	Right Handed	Pointy Witch Hat	Cat Meows
Elphaba Thropp	Vanishing Act	Black Cape	Right Handed	Pumpkin Beret	Garlic Spray
Pip Pumpkin	Pumpkin Curse	Black Cape	Left Handed	Pumpkin Beret	Garlic Spray
Mavis Dracula	Vanishing Act	Black Cape	Right Handed	Pointy Witch Hat	Garlic Spray
Ron Weasley	Pumpkin Curse	Spider Ring	Left Handed	Skeleton Beanie	Cat Meows
Neville Longbottom	Pumpkin Curse	Black Cape	Left Handed	Skeleton Beanie	Bright Flashlights
Wednesday Addams	Pumpkin Curse	Fake Teeth	Right Handed	Skeleton Beanie	Cat Meows

CLUE 1 Addition

To search the pantry, Detective Pip counts all the spooky cupcakes found on the shelves.

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



280 + 330 = ☐ → T

455 + 210 = ☐ → H

300 + 608 = ☐ → O

383 + 505 = ☐ → E

73 + 137 = ☐ → I

210 + 102 = ☐ → W

510 + 252 = ☐ → D

139 + 287 = ☐ → A

580 + 386 = ☐ → G

209 + 244 = ☐ → R

287 + 161 = ☐ → S

140 + 85 = ☐ → N

172 + 142 = ☐ → V

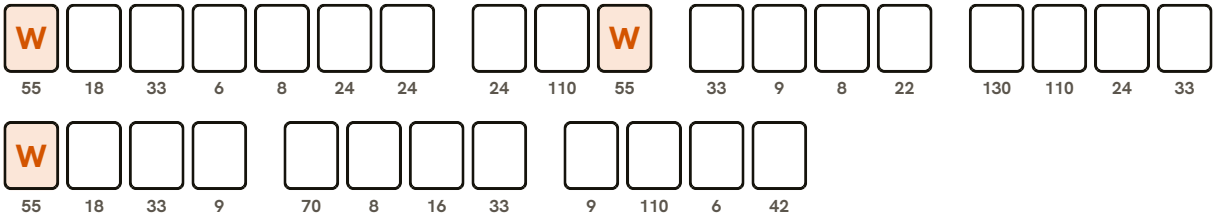
404 + 355 = ☐ → L

Scratch space:

CLUE 2 Skip counting

The detective follows pumpkin tracks down the hall, counting by groups of footprints.

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



Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, ___, 60, 65 ☐ → W

Skip-count by 2s. Fill the blank: 2, 4, ___, 8, 10 ☐ → N

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

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

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

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

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, ___, 75, 80 ☐ → L

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

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, ___, 18, 20 ☐ → F

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

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, ___, 26, 28 ☐ → S

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

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

Scratch space:

CLUE 3 Word problems

The head baker shares clues about how many candy corn pieces vanished from the counter.

Solve each problem, then write its letter in the boxes to fill in the missing word.

Someone scared the villain off with

B							L	A	S		L					S	.
26	34	41	22	76	38	65				76		41	22	76	38		

Haunted baker found 24 gummy worms yesterday and 2 more today. How many gummy worms in all?

Answer: ☐ → B

Haunted baker found 26 gummy worms yesterday and 50 more today. How many gummy worms in all?

Answer: ☐ → H

Haunted baker found 30 spider cupcakes yesterday and 8 more today. How many spider cupcakes in all?

Answer: ☐ → T

Haunted baker found 19 pumpkin tarts yesterday and 15 more today. How many pumpkin tarts in all?

Answer: ☐ → R

There were 83 caramel apples. 18 were used up. How many caramel apples are left?

Answer: ☐ → F

Haunted baker found 5 caramel apples yesterday and 17 more today. How many caramel apples in all?

Answer: ☐ → G

Haunted baker found 30 gummy worms yesterday and 11 more today. How many gummy worms in all?

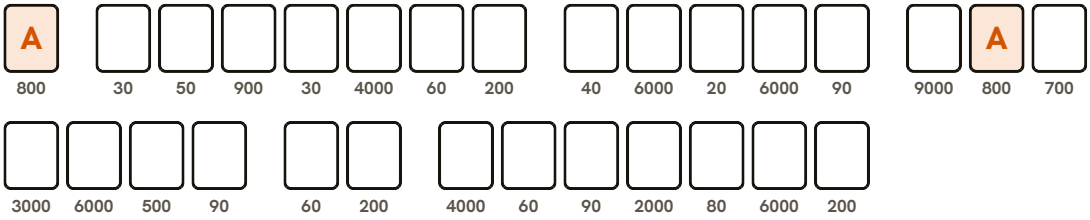
Answer: ☐ → I

Scratch space:

CLUE 4 Rounding

The manor security radar only shows rounded numbers for footsteps near the kitchen.

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



Round 796 to the nearest hundred ☐ → **A**

Round 245 to the nearest hundred ☐ → **N**

Round 51 to the nearest ten ☐ → **U**

Round 487 to the nearest hundred ☐ → **F**

Round 3,505 to the nearest thousand ☐ → **K**

Round 2,438 to the nearest thousand ☐ → **C**

Round 6,154 to the nearest thousand ☐ → **E**

Round 666 to the nearest hundred ☐ → **S**

Round 2,530 to the nearest thousand ☐ → **L**

Round 19 to the nearest ten ☐ → **R**

Round 44 to the nearest ten ☐ → **B**

Round 77 to the nearest ten ☐ → **H**

Round 926 to the nearest hundred ☐ → **M**

Round 8,851 to the nearest thousand ☐ → **W**

Round 90 to the nearest ten ☐ → **T**

Round 56 to the nearest ten ☐ → **I**

Round 27 to the nearest ten ☐ → **P**

Scratch space:

CLUE 5 Missing addends - the last clue

Detective Pip figures out how many missing treat bags are needed to fill the chest.

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:

9 + ___ = 18 ☐	7 + ___ = 15 ☐	6 + ___ = 11 ☐	5 + ___ = 7 ☐
5 + ___ = 11 ☐	5 + ___ = 9 ☐	9 + ___ = 21 ☐	6 + ___ = 16 ☐
2 + ___ = 9 ☐	8 + ___ = 11 ☐	9 + ___ = 20 ☐	

Step 2 - cross out the sentence with each answer:

1. The villain floated through the locked kitchen door, then dropped a tiny plastic spider ring.
2. The villain turned all the mixing spoons into candy, then swept away on a magic witch broom.
3. The villain floated through the locked kitchen door, then wrapped up tight in a black cape.
4. The villain turned invisible behind the flour sacks, then wrapped up tight in a black cape.
5. The villain turned invisible behind the flour sacks, then swept away on a magic witch broom.
6. The villain summoned a swarm of squeaking bats, then dropped a tiny plastic spider ring.
7. The villain summoned a swarm of squeaking bats, then swept away on a magic witch broom.
8. The villain summoned a swarm of squeaking bats, then left behind a pair of fake teeth.
9. The villain slid across the dark shadow walls, then dropped a tiny plastic spider ring.
10. The villain turned all the mixing spoons into candy, then dropped a tiny plastic spider ring.
11. The villain slid across the dark shadow walls, then lost a pair of glow glasses.
12. The villain turned all the mixing spoons into candy, then left behind a pair of fake teeth.

TEACHER / PARENT

Answer Key

The Pumpkin Hollow Mystery

Culprit: Hermione Granger

Levitation · Spider Ring · Left Handed · Pumpkin Beret · Bright Flashlights

Trail: Start 21 → Clue 1 19 → Clue 2 13 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE VILLAIN DOES NOT WEAR GLOW GLASSES"

280 + 330 = 610 (T) · 455 + 210 = 665 (H) · 300 + 608 = 908 (O) · 383 + 505 = 888 (E) · 73 + 137 = 210 (I) · 210 + 102 = 312 (W) · 510 + 252 = 762 (D) · 139 + 287 = 426 (A) · 580 + 386 = 966 (G) · 209 + 244 = 453 (R) · 287 + 161 = 448 (S) · 140 + 85 = 225 (N) · 172 + 142 = 314 (V) · 404 + 355 = 759 (L)

Clue 2 (Skip counting): "WITNESS SAW THEM CAST WITH LEFT HAND"

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

Clue 3 (Word problems): "BRIGHT FLASHLIGHTS"

Haunted baker found 24 gummy worms yesterday and 2 more today. How many gummy worms in all? = 26 (B) · Haunted baker found 26 gummy worms yesterday and 50 more today. How many gummy worms in all? = 76 (H) · Haunted baker found 30 spider cupcakes yesterday and 8 more today. How many spider cupcakes in all? = 38 (T) · Haunted baker found 19 pumpkin tarts yesterday and 15 more today. How many pumpkin tarts in all? = 34 (R) · There were 83 caramel apples. 18 were used up. How many caramel apples are left? = 65 (F) · Haunted baker found 5 caramel apples yesterday and 17 more today. How many caramel apples in all? = 22 (G) · Haunted baker found 30 gummy worms yesterday and 11 more today. How many gummy worms in all? = 41 (I)

Clue 4 (Rounding): "A PUMPKIN BERET WAS LEFT IN KITCHEN"

Round 796 to the nearest hundred = 800 (A) · Round 245 to the nearest hundred = 200 (N) · Round 51 to the nearest ten = 50 (U) · Round 487 to the nearest hundred = 500 (F) · Round 3,505 to the nearest thousand = 4000 (K) · Round 2,438 to the nearest thousand = 2000 (C) · Round 6,154 to the nearest thousand = 6000 (E) · Round 666 to the nearest hundred = 700 (S) · Round 2,530 to the nearest thousand = 3000 (L) · Round 19 to the nearest ten = 20 (R) · Round 44 to the nearest ten = 40 (B) · Round 77 to the nearest ten = 80 (H) · Round 926 to the nearest hundred = 900 (M) · Round 8,851 to the nearest thousand = 9000 (W) · Round 90 to the nearest ten = 90 (T) · Round 56 to the nearest ten = 60 (I) · Round 27 to the nearest ten = 30 (P)

Clue 5 (Missing addends): surviving statement is box 1 → Hermione Granger

9 + ___ = 18 = 9 · 7 + ___ = 15 = 8 · 6 + ___ = 11 = 5 · 5 + ___ = 7 = 2 · 5 + ___ = 11 = 6 · 5 + ___ = 9 = 4 · 9 + ___ = 21 = 12 · 6 + ___ = 16 = 10 · 2 + ___ = 9 = 7 · 8 + ___ = 11 = 3 · 9 + ___ = 20 = 11