The Great Pumpkin Heist of Shadow Hollow

Grade 4 math · Multiplication, Fractions of a number, Word problems, Rounding, Division · Reading level grades 3-4

Detective: _____ **Date:** _____

The Golden Pumpkin has vanished from the Halloween Carnival stage! A mystery monster snuck past the guards and left behind a cloud of glowing dust. Detective, use your math skills to untangle the clues and catch the culprit before midnight!

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 Phantom is _____

Possible suspects

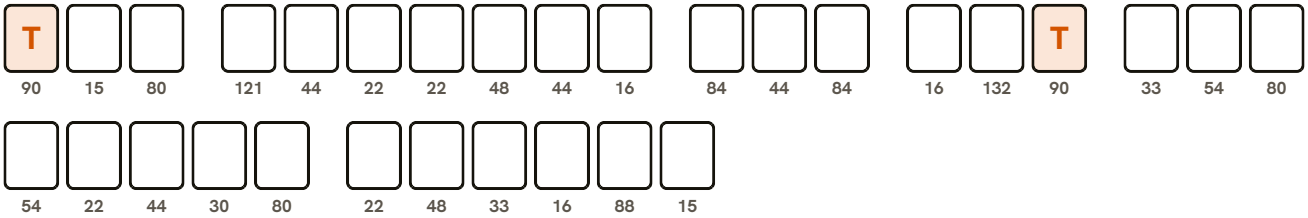
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	MAIN ABILITY	SPECIAL ATTACK	DOMINANT HAND	WIG COLOR	SECRET FEAR
Shadow Sam	wolf howl	mist cloak	right handed	neon orange	bright flashlight
Luna Howl	shadow sneak	pumpkin blast	left handed	midnight black	bright flashlight
Banshee Bella	monster roar	slime launch	left handed	midnight black	bright flashlight
Casper Creep	ghost float	bat swarm	right handed	neon orange	garlic spray
Count Vlad	bat flight	mist cloak	left handed	neon orange	bright flashlight
Frankie Stein	monster roar	pumpkin blast	left handed	slime green	garlic spray
Mummy Mo	monster roar	pumpkin blast	left handed	midnight black	garlic spray
Jack O Lantern	ghost float	bat swarm	left handed	midnight black	bright flashlight
Haunted Helen	wolf howl	mist cloak	left handed	slime green	garlic spray
Phantom Phil	bat flight	mist cloak	right handed	midnight black	silver bell
Batty Ben	ghost float	pumpkin blast	left handed	midnight black	bright flashlight
Goblin Gabe	ghost float	pumpkin blast	right handed	midnight black	bright flashlight
Drac Junior	bat flight	cobweb spin	right handed	slime green	bright flashlight
Ghouly Lou	monster roar	slime launch	right handed	slime green	silver bell
Vampire Vince	ghost float	mist cloak	right handed	neon orange	silver bell
Gargoyle Gary	bat flight	bat swarm	left handed	neon orange	silver bell
Spooky Spike	monster roar	bat swarm	right handed	midnight black	silver bell
Fang Bram	monster roar	pumpkin blast	left handed	midnight black	bright flashlight
Zombie Zeke	ghost float	cobweb spin	right handed	neon orange	silver bell
Wicked Wendy	wolf howl	bat swarm	left handed	midnight black	garlic spray
Boris Wolf	bat flight	bat swarm	left handed	neon orange	bright flashlight

CLUE 1 Multiplication facts (1-12)

> You count the rows of spider jars on the shelf to uncover the first clue.

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



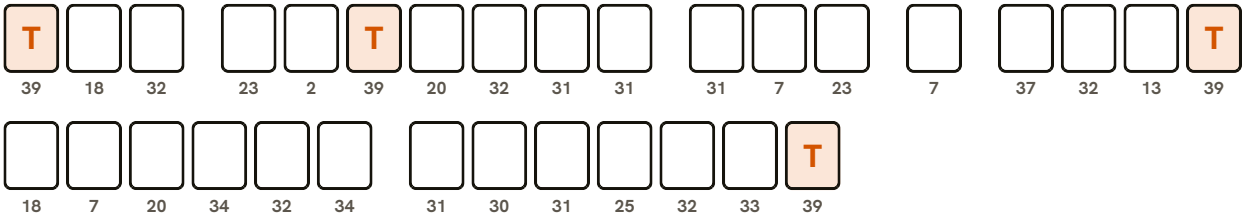
10 × 9 = ☐ → T	5 × 3 = ☐ → H	4 × 12 = ☐ → A
11 × 8 = ☐ → C	12 × 11 = ☐ → O	11 × 11 = ☐ → V
8 × 10 = ☐ → E	2 × 11 = ☐ → L	3 × 11 = ☐ → U
6 × 9 = ☐ → S	3 × 10 = ☐ → M	4 × 4 = ☐ → N
11 × 4 = ☐ → I	12 × 7 = ☐ → D	

Scratch space:

CLUE 2 Fractions of a number

You look at the fraction of glowing skull candles left lit on the porch.

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



1/5 of 195 = ☐ → T

3/6 of 14 = ☐ → A

1/2 of 46 = ☐ → W

1/6 of 180 = ☐ → U

4/8 of 68 = ☐ → D

4/5 of 25 = ☐ → N

1/3 of 93 = ☐ → S

4/8 of 74 = ☐ → L

4/8 of 36 = ☐ → H

4/6 of 3 = ☐ → I

2/3 of 48 = ☐ → E

2/6 of 99 = ☐ → C

3/6 of 26 = ☐ → F

1/8 of 200 = ☐ → P

Scratch space:

CLUE 3 Word problems

You check the stash bag of trick or treat goodies to solve the story puzzle.

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					.
72	57	34	61	56	10	32				56		34	61	56	10	

Scout Ghost found 28 ghost jars yesterday and 44 more today. How many ghost jars in all?

Answer: ☐ → B

Scout Ghost found 6 spooky candies yesterday and 4 more today. How many spooky candies in all?

Answer: ☐ → T

Scout Ghost found 47 monster badges yesterday and 9 more today. How many monster badges in all?

Answer: ☐ → H

Scout Ghost lined up 4 rows of 8 monster badges. How many monster badges in all?

Answer: ☐ → F

Scout Ghost found 29 ghost jars yesterday and 28 more today. How many ghost jars in all?

Answer: ☐ → R

Scout Ghost found 30 glowing pumpkins yesterday and 4 more today. How many glowing pumpkins in all?

Answer: ☐ → I

There were 95 spooky candies. 34 were used up. How many spooky candies are left?

Answer: ☐ → G

Scratch space:

CLUE 4 Rounding

The spooky radar screen rounds the monster footsteps to the nearest ten.

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

B				
230	50	700	5000	430

170	3000	900	700	9000	2900	170

500	2300	900	2300

50	2300	200	3000

9000	2300	700	900

3000	1700	2300

7000	700	370	50	3000

Round 226 to the nearest ten ☐ → B

Round 428 to the nearest ten ☐ → K

Round 54 to the nearest ten ☐ → L

Round 173 to the nearest ten ☐ → S

Round 3,423 to the nearest thousand ☐ → T

Round 6,920 to the nearest thousand ☐ → V

Round 2,343 to the nearest hundred ☐ → E

Round 1,719 to the nearest hundred ☐ → H

Round 368 to the nearest ten ☐ → U

Round 2,886 to the nearest hundred ☐ → D

Round 700 to the nearest hundred ☐ → A

Round 243 to the nearest hundred ☐ → F

Round 4,527 to the nearest thousand ☐ → C

Round 488 to the nearest hundred ☐ → W

Round 938 to the nearest hundred ☐ → R

Round 8,912 to the nearest thousand ☐ → N

Scratch space:

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

> You divide the pumpkin candies equally among the night guards to find the final secret.

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:

15 ÷ 3 = ☐	8 ÷ 1 = ☐	77 ÷ 11 = ☐	72 ÷ 6 = ☐	4 ÷ 4 = ☐
12 ÷ 6 = ☐	81 ÷ 9 = ☐	18 ÷ 6 = ☐	20 ÷ 5 = ☐	70 ÷ 7 = ☐
12 ÷ 2 = ☐				

Step 2 - cross out the sentence with each answer:

1. The villain flew on bat wings, then spun thick cobwebs.
2. The villain snuck in the shadows, then launched sticky green slime.
3. The villain howled at the moon, then blasted glowing pumpkins.
4. The villain roared very loudly, then launched sticky green slime.
5. The villain roared very loudly, then blasted glowing pumpkins.
6. The villain howled at the moon, then launched sticky green slime.
7. The villain snuck in the shadows, then blasted glowing pumpkins.
8. The villain floated through walls, then summoned a bat swarm.
9. The villain flew on bat wings, then launched sticky green slime.
10. The villain floated through walls, then vanished in thick mist.
11. The villain floated through walls, then blasted glowing pumpkins.
12. The villain roared very loudly, then vanished in thick mist.

TEACHER / PARENT

Answer Key

The Great Pumpkin Heist of Shadow Hollow

Culprit: Batty Ben

ghost float · pumpkin blast · left handed · midnight black · bright flashlight

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

Clue 1 (Multiplication facts (1-12)): "THE VILLAIN DID NOT USE SLIME LAUNCH"

10 × 9 = 90 (T) · 5 × 3 = 15 (H) · 4 × 12 = 48 (A) · 11 × 8 = 88 (C) · 12 × 11 = 132 (O) · 11 × 11 = 121 (V) · 8 × 10 = 80 (E) · 2 × 11 = 22 (L) · 3 × 11 = 33 (U) · 6 × 9 = 54 (S) · 3 × 10 = 30 (M) · 4 × 4 = 16 (N) · 11 × 4 = 44 (I) · 12 × 7 = 84 (D)

Clue 2 (Fractions of a number): "THE WITNESS SAW A LEFT HANDED SUSPECT"

1/5 of 195 = 39 (T) · 3/6 of 14 = 7 (A) · 1/2 of 46 = 23 (W) · 1/6 of 180 = 30 (U) · 4/8 of 68 = 34 (D) · 4/5 of 25 = 20 (N) · 1/3 of 93 = 31 (S) · 4/8 of 74 = 37 (L) · 4/8 of 36 = 18 (H) · 4/6 of 3 = 2 (I) · 2/3 of 48 = 32 (E) · 2/6 of 99 = 33 (C) · 3/6 of 26 = 13 (F) · 1/8 of 200 = 25 (P)

Clue 3 (Word problems): "BRIGHT FLASHLIGHT"

Scout Ghost found 28 ghost jars yesterday and 44 more today. How many ghost jars in all? = 72 (B) · Scout Ghost found 6 spooky candies yesterday and 4 more today. How many spooky candies in all? = 10 (T) · Scout Ghost found 47 monster badges yesterday and 9 more today. How many monster badges in all? = 56 (H) · Scout Ghost lined up 4 rows of 8 monster badges. How many monster badges in all? = 32 (F) · Scout Ghost found 29 ghost jars yesterday and 28 more today. How many ghost jars in all? = 57 (R) · Scout Ghost found 30 glowing pumpkins yesterday and 4 more today. How many glowing pumpkins in all? = 34 (I) · There were 95 spooky candies. 34 were used up. How many spooky candies are left? = 61 (G)

Clue 4 (Rounding): "BLACK STRANDS WERE LEFT NEAR THE VAULT"

Round 226 to the nearest ten = 230 (B) · Round 428 to the nearest ten = 430 (K) · Round 54 to the nearest ten = 50 (L) · Round 173 to the nearest ten = 170 (S) · Round 3,423 to the nearest thousand = 3000 (T) · Round 6,920 to the nearest thousand = 7000 (V) · Round 2,343 to the nearest hundred = 2300 (E) · Round 1,719 to the nearest hundred = 1700 (H) · Round 368 to the nearest ten = 370 (U) · Round 2,886 to the nearest hundred = 2900 (D) · Round 700 to the nearest hundred = 700 (A) · Round 243 to the nearest hundred = 200 (F) · Round 4,527 to the nearest thousand = 5000 (C) · Round 488 to the nearest hundred = 500 (W) · Round 938 to the nearest hundred = 900 (R) · Round 8,912 to the nearest thousand = 9000 (N)

Clue 5 (Division facts (1-12)): surviving statement is box 11 → Batty Ben

15 ÷ 3 = 5 · 8 ÷ 1 = 8 · 77 ÷ 11 = 7 · 72 ÷ 6 = 12 · 4 ÷ 4 = 1 · 12 ÷ 6 = 2 · 81 ÷ 9 = 9 · 18 ÷ 6 = 3 · 20 ÷ 5 = 4 · 70 ÷ 7 = 10 · 12 ÷ 2 = 6