



The Great Pumpkin Candy Caper

Grade 7 math · Addition, Subtraction, Multiplication, Integers, Division · Reading level grades 1-2

Detective: _____ **Date:** _____

Someone stole the great pumpkin candy bowl. The kids of Spooky Town need your help. Track down the sneaky ghoul before Halloween night is over.

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 the candy thief is _____

Possible suspects

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

NAME	SCARY TRICK	SPOOKY GEAR	WRITING HAND	SPOOKY WIG	FUNNY DEFENSE
Morticia	shadow slip	spider ring	left hand	orange hair	giggle juice
Daphne	loud boo	bat wings	left hand	green hair	silly jokes
Luna	creepy crawl	pumpkin mask	left hand	green hair	giggle juice
Velma	loud boo	spider ring	left hand	green hair	giggle juice
Casper	bat fly	pumpkin mask	right hand	green hair	giggle juice
Sabrina	creepy crawl	glow shoes	right hand	black hair	bright flashlights
Wolfe	bat fly	ghost cape	right hand	green hair	giggle juice
Hermione	scary laugh	pumpkin mask	left hand	green hair	silly jokes
Buffy	shadow slip	glow shoes	right hand	orange hair	bright flashlights
Shaggy	creepy crawl	glow shoes	left hand	orange hair	bright flashlights
Wednesday	scary laugh	ghost cape	left hand	green hair	silly jokes
Freddie	bat fly	bat wings	left hand	black hair	giggle juice
Pugsley	scary laugh	spider ring	right hand	green hair	silly jokes
Dracula	bat fly	ghost cape	left hand	black hair	silly jokes
Jack	scary laugh	spider ring	left hand	green hair	silly jokes
Scooby	shadow slip	pumpkin mask	right hand	green hair	bright flashlights
Mavis	shadow slip	pumpkin mask	left hand	green hair	silly jokes
Wanda	creepy crawl	spider ring	right hand	orange hair	giggle juice
Spike	creepy crawl	ghost cape	left hand	green hair	giggle juice
Frankie	shadow slip	ghost cape	left hand	orange hair	bright flashlights
Gomez	creepy crawl	bat wings	right hand	black hair	bright flashlights

CLUE 1 Addition

We found a note in the pumpkin patch. Let us count the candy drops. We add them up to find the first clue.

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

T

2110 3792 8319
 7576 4867 8319 9150 7360 9166
 6547 3792 3416 6032 5009
 9846 3416 8319 7576

T

 T

4867 3416 2110
 3792 9150 5320 8319
 2575 9150 2110
 7322 3583 4867 6547 7576

$782 + 1328 = \boxed{} \rightarrow \boxed{T}$

$5770 + 4076 = \boxed{} \rightarrow \boxed{D}$

$1443 + 2349 = \boxed{} \rightarrow \boxed{H}$

$2042 + 1374 = \boxed{} \rightarrow \boxed{O}$

$2541 + 5035 = \boxed{} \rightarrow \boxed{S}$

$860 + 1715 = \boxed{} \rightarrow \boxed{B}$

$5384 + 2935 = \boxed{} \rightarrow \boxed{E}$

$4483 + 2839 = \boxed{} \rightarrow \boxed{W}$

$2014 + 2995 = \boxed{} \rightarrow \boxed{L}$

$3969 + 2063 = \boxed{} \rightarrow \boxed{U}$

$4329 + 2218 = \boxed{} \rightarrow \boxed{G}$

$4618 + 2742 = \boxed{} \rightarrow \boxed{K}$

$1589 + 3278 = \boxed{} \rightarrow \boxed{N}$

$5949 + 3217 = \boxed{} \rightarrow \boxed{Y}$

$2291 + 1292 = \boxed{} \rightarrow \boxed{I}$

$4692 + 4458 = \boxed{} \rightarrow \boxed{A}$

$2563 + 2757 = \boxed{} \rightarrow \boxed{V}$

Scratch space:

CLUE 2

Subtraction

The ghosts took some black cat stickers. We must subtract the missing stickers to reveal the next clue.

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

T									T								T	
2179	3966	2023	1843	2746	2023	8873	8550	3403	2179	3966	2176	2023	7256	7454	2023	7256	2179	8873

			T								T	
7454	2023	7256	2179	3966	8873	2746	4596	3512	3021	2176	2746	2179

$2869 - 690 = \square \rightarrow \boxed{\text{T}}$

$3895 - 1719 = \square \rightarrow \boxed{\text{I}}$

$8310 - 4798 = \square \rightarrow \boxed{\text{P}}$

$2942 - 1099 = \square \rightarrow \boxed{\text{S}}$

$9257 - 4661 = \square \rightarrow \boxed{\text{D}}$

$8933 - 4967 = \square \rightarrow \boxed{\text{H}}$

$7980 - 4577 = \square \rightarrow \boxed{\text{Y}}$

$3224 - 478 = \square \rightarrow \boxed{\text{N}}$

$4874 - 2851 = \square \rightarrow \boxed{\text{E}}$

$12307 - 3434 = \square \rightarrow \boxed{\text{A}}$

$7428 - 172 = \square \rightarrow \boxed{\text{F}}$

$9445 - 895 = \square \rightarrow \boxed{\text{K}}$

$11726 - 4272 = \square \rightarrow \boxed{\text{L}}$

$3093 - 72 = \square \rightarrow \boxed{\text{R}}$

Scratch space:

CLUE 3

Multiplication facts (1-12)

We see rows of spooky pumpkins. We multiply the rows to open the secret lock for the third clue.

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

A																
80	132	6	6	60	20	6	27	4	63	81	45	45	77	121	6	96

121	42	4	8	6	144	77	121	4	21

$10 \times 8 = \square \rightarrow \boxed{\text{A}}$

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

$7 \times 9 = \square \rightarrow \boxed{\text{W}}$

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

$9 \times 9 = \square \rightarrow \boxed{\text{I}}$

$3 \times 2 = \square \rightarrow \boxed{\text{O}}$

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

$4 \times 2 = \square \rightarrow \boxed{\text{M}}$

$5 \times 4 = \square \rightarrow \boxed{\text{J}}$

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

$7 \times 3 = \square \rightarrow \boxed{\text{R}}$

$10 \times 6 = \square \rightarrow \boxed{\text{D}}$

$12 \times 12 = \square \rightarrow \boxed{\text{N}}$

$9 \times 3 = \square \rightarrow \boxed{\text{K}}$

$12 \times 8 = \square \rightarrow \boxed{\text{P}}$

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

$12 \times 11 = \square \rightarrow \boxed{\text{G}}$

Scratch space:

CLUE 4 Integers

The temperature in the witch house is dropping below zero. Look at the cold numbers to get the fourth clue.

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

T																		
13	7	22	11	4	19	23	27	6	5	30	14	26	22	22	5	20	24	14

T						
13	7	26	22	2	30	11

$$(-14) + 27 = \boxed{} \rightarrow \boxed{\text{T}}$$

$$(-7) + 13 = \boxed{} \rightarrow \boxed{\text{U}}$$

$$(-8) + 31 = \boxed{} \rightarrow \boxed{\text{F}}$$

$$19 - (-3) = \boxed{} \rightarrow \boxed{\text{E}}$$

$$(-14) + 21 = \boxed{} \rightarrow \boxed{\text{H}}$$

$$(-9) + 13 = \boxed{} \rightarrow \boxed{\text{P}}$$

$$(-13) + 18 = \boxed{} \rightarrow \boxed{\text{N}}$$

$$11 - (-3) = \boxed{} \rightarrow \boxed{\text{G}}$$

$$(-2) + 4 = \boxed{} \rightarrow \boxed{\text{A}}$$

$$(-12) + 31 = \boxed{} \rightarrow \boxed{\text{Y}}$$

$$7 - (-4) = \boxed{} \rightarrow \boxed{\text{S}}$$

$$17 - (-13) = \boxed{} \rightarrow \boxed{\text{D}}$$

$$18 - (-2) = \boxed{} \rightarrow \boxed{\text{W}}$$

$$10 - (-14) = \boxed{} \rightarrow \boxed{\text{I}}$$

$$22 - (-4) = \boxed{} \rightarrow \boxed{\text{R}}$$

$$(-9) + 36 = \boxed{} \rightarrow \boxed{\text{O}}$$

Scratch space:

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

We have a big bag of sweet candy corn. We share them into equal piles to read the final clue.

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:

$2 \div 2 = \boxed{}$

$24 \div 2 = \boxed{}$

$40 \div 4 = \boxed{}$

$77 \div 7 = \boxed{}$

$6 \div 1 = \boxed{}$

$18 \div 9 = \boxed{}$

$18 \div 6 = \boxed{}$

$24 \div 3 = \boxed{}$

$70 \div 10 = \boxed{}$

$8 \div 2 = \boxed{}$

$54 \div 6 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain lets out a scary laugh, then puts on a pumpkin mask.
2. The villain does a creepy crawl, then shines their glow shoes.
3. The villain does a fast bat fly, then shines their glow shoes.
4. The villain does a fast bat fly, then flaps some bat wings.
5. The villain does a sneaky shadow slip, then puts on a pumpkin mask.
6. The villain makes a loud boo sound, then spins a plastic spider ring.
7. The villain does a fast bat fly, then waves their ghost cape.
8. The villain makes a loud boo sound, then puts on a pumpkin mask.
9. The villain makes a loud boo sound, then waves their ghost cape.
10. The villain lets out a scary laugh, then spins a plastic spider ring.
11. The villain lets out a scary laugh, then shines their glow shoes.
12. The villain lets out a scary laugh, then waves their ghost cape.

Answer Key

The Great Pumpkin Candy Caper

Culprit: Mavis

shadow slip · pumpkin mask · left hand · green hair · silly jokes

Trail: Start 21 → Clue 1 18 → Clue 2 11 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE SNEAKY GHOUL DOES NOT HAVE BAT WINGS"

$782 + 1328 = 2110$ (T) · $5770 + 4076 = 9846$ (D) · $1443 + 2349 = 3792$ (H) · $2042 + 1374 = 3416$ (O) · $2541 + 5035 = 7576$ (S) · $860 + 1715 = 2575$ (B) · $5384 + 2935 = 8319$ (E) · $4483 + 2839 = 7322$ (W) · $2014 + 2995 = 5009$ (L) · $3969 + 2063 = 6032$ (U) · $4329 + 2218 = 6547$ (G) · $4618 + 2742 = 7360$ (K) · $1589 + 3278 = 4867$ (N) · $5949 + 3217 = 9166$ (Y) · $2291 + 1292 = 3583$ (I) · $4692 + 4458 = 9150$ (A) · $2563 + 2757 = 5320$ (V)

Clue 2 (Subtraction): "THE SNEAKY THIEF LEFT A LEFT HAND PRINT"

$2869 - 690 = 2179$ (T) · $3895 - 1719 = 2176$ (I) · $8310 - 4798 = 3512$ (P) · $2942 - 1099 = 1843$ (S) · $9257 - 4661 = 4596$ (D) · $8933 - 4967 = 3966$ (H) · $7980 - 4577 = 3403$ (Y) · $3224 - 478 = 2746$ (N) · $4874 - 2851 = 2023$ (E) · $12307 - 3434 = 8873$ (A) · $7428 - 172 = 7256$ (F) · $9445 - 895 = 8550$ (K) · $11726 - 4272 = 7454$ (L) · $3093 - 72 = 3021$ (R)

Clue 3 (Multiplication facts (1-12)): "A GOOD JOKE WILL STOP THE MONSTER"

$10 \times 8 = 80$ (A) · $5 \times 9 = 45$ (L) · $7 \times 9 = 63$ (W) · $11 \times 7 = 77$ (S) · $9 \times 9 = 81$ (I) · $3 \times 2 = 6$ (O) · $6 \times 7 = 42$ (H) · $4 \times 2 = 8$ (M) · $5 \times 4 = 20$ (J) · $11 \times 11 = 121$ (T) · $7 \times 3 = 21$ (R) · $10 \times 6 = 60$ (D) · $12 \times 12 = 144$ (N) · $9 \times 3 = 27$ (K) · $12 \times 8 = 96$ (P) · $1 \times 4 = 4$ (E) · $12 \times 11 = 132$ (G)

Clue 4 (Integers): "THE SPY FOUND GREEN WIG THREADS"

$(-14) + 27 = 13$ (T) · $(-7) + 13 = 6$ (U) · $(-8) + 31 = 23$ (F) · $19 - (-3) = 22$ (E) · $(-14) + 21 = 7$ (H) · $(-9) + 13 = 4$ (P) · $(-13) + 18 = 5$ (N) · $11 - (-3) = 14$ (G) · $(-2) + 4 = 2$ (A) · $(-12) + 31 = 19$ (Y) · $7 - (-4) = 11$ (S) · $17 - (-13) = 30$ (D) · $18 - (-2) = 20$ (W) · $10 - (-14) = 24$ (I) · $22 - (-4) = 26$ (R) · $(-9) + 36 = 27$ (O)

Clue 5 (Division facts (1-12)): surviving statement is box 5 → Mavis

$2 \div 2 = 1$ · $24 \div 2 = 12$ · $40 \div 4 = 10$ · $77 \div 7 = 11$ · $6 \div 1 = 6$ · $18 \div 9 = 2$ · $18 \div 6 = 3$ · $24 \div 3 = 8$ · $70 \div 10 = 7$ · $8 \div 2 = 4$ · $54 \div 6 = 9$