



The Crypt-Keeper's Cryptic Caper

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

Detective: _____ **Date:** _____

Oh no! A sneaky villain stole the Golden Tombstone right out of Gloomsville Cemetery! The caretaker needs your help to track down the thief among a bunch of creepy but funny suspects.

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 Chuckle Ghoul is _____

Possible suspects

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

NAME	SPOOKY GADGET	HAUNTING GEAR	DOMINANT HAND	HAIR STYLE	SECRET WEAKNESS
Manny Bones	screaming skull	ghost goggles	right handed	purple mohawk	dad jokes
Rusty Nail	tickle feather	skeleton gloves	left handed	purple mohawk	garlic toast
Anita Shovel	chuckle potion	coffin shield	right handed	orange cobweb hair	dad jokes
Al Bino	screaming skull	spider boots	right handed	orange cobweb hair	bright flashlight
Count Chuckle	chuckle potion	bat cape	left handed	messy green hair	bright flashlight
Warren Peace	screaming skull	coffin shield	right handed	orange cobweb hair	dad jokes
Justin Pieces	fog machine	bat cape	right handed	purple mohawk	garlic toast
Grimm Shadow	gasp horn	coffin shield	left handed	orange cobweb hair	bright flashlight
Barry M Deep	chuckle potion	bat cape	left handed	purple mohawk	garlic toast
Morticia Decay	chuckle potion	skeleton gloves	right handed	orange cobweb hair	bright flashlight
Dee Cay	gasp horn	bat cape	right handed	purple mohawk	garlic toast
Helen Back	gasp horn	skeleton gloves	right handed	orange cobweb hair	bright flashlight
Ben Toombs	gasp horn	bat cape	right handed	orange cobweb hair	garlic toast
Spooky Susan	gasp horn	skeleton gloves	left handed	orange cobweb hair	dad jokes
Ray Corpse	screaming skull	spider boots	left handed	orange cobweb hair	bright flashlight
Robin Graves	screaming skull	coffin shield	left handed	purple mohawk	bright flashlight
Skel Eton	tickle feather	coffin shield	right handed	purple mohawk	garlic toast
Frank N Stein	gasp horn	skeleton gloves	right handed	purple mohawk	garlic toast
Doug Graves	fog machine	skeleton gloves	right handed	purple mohawk	garlic toast
Gloom Cook	tickle feather	skeleton gloves	right handed	orange cobweb hair	garlic toast
Zomb Billy	chuckle potion	ghost goggles	left handed	orange cobweb hair	dad jokes

CLUE 1

The radar screen shows how fast the ghoul fled, but the machine only shows numbers rounded to the nearest ten. Round this speed to get the first clue!

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

Diagram illustrating a sequence of numbers arranged in two rows of boxes. The top row contains 16 boxes, and the bottom row contains 12 boxes. The first box in the top row and the third box in the top row are highlighted in orange and labeled 'T'.

Top row (16 boxes):

- Box 1 (orange, T): 3000
- Box 2: 170
- Box 3 (orange, T): 4300
- Box 4: 3700
- Box 5: 170
- Box 6: 1700
- Box 7: 290
- Box 8: 500
- Box 9: 300
- Box 10: 1700
- Box 11: 4300
- Box 12: 5000
- Box 13: 20
- Box 14: 1700
- Box 15: 3000
- Box 16: 370

Bottom row (12 boxes):

- Box 1: 2300
- Box 2: 7000
- Box 3: 1700
- Box 4: 50
- Box 5: 50
- Box 6: 130
- Box 7: 20
- Box 8: 5000
- Box 9: 170
- Box 10: 130
- Box 11: 4300
- Box 12: 500

Round 3,026 to the nearest thousand $\rightarrow$ **T**

Round 429 to the nearest ten $\rightarrow$ **R**

Round 373 to the nearest ten $\rightarrow$ **W**

Round 286 to the nearest ten $\rightarrow$ **U**

Round 276 to the nearest hundred → **D**

Round 4,292 to the nearest hundred → **E**

Round 1,714 to the nearest hundred $\rightarrow$ **0**

Round 52 to the nearest ten → **F**

Round 19 to the nearest ten $\rightarrow$ **N**

Round 527 to the nearest hundred $\rightarrow$ **L**

Round 134 to the nearest ten $\rightarrow$

Round 3,651 to the nearest hundred → **G**

Round 4,709 to the nearest thousand $\rightarrow$ **S**

Round 2,266 to the nearest hundred $\rightarrow$ **A**

Round 6,549 to the nearest thousand → **C**

Round 166 to the nearest ten → **H**

Scratch space:

CLUE 2

Addition

We need to count all the plastic spiders left on the floor. Add up the piles to find the total and unlock this hint.

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

W				W												
6813	2911	6858	8230	6813	5871	5214	2911	2665	2276	6858	2911	5871	5214	2911	6234	7449

										W					
7449	6234	6690	5214	5871	5214	8230	4843	2509	5871	4406	6813	7449	6234	5871	2911

$4551 + 2262 = \square \rightarrow \mathbf{W}$

$4492 + 2957 = \square \rightarrow \mathbf{R}$

$1503 + 3340 = \square \rightarrow \mathbf{N}$

$2600 + 3634 = \square \rightarrow \mathbf{I}$

$3464 + 3394 = \square \rightarrow \mathbf{S}$

$3208 + 5022 = \square \rightarrow \mathbf{A}$

$4619 + 2071 = \square \rightarrow \mathbf{G}$

$2666 + 1740 = \square \rightarrow \mathbf{O}$

$2108 + 3106 = \square \rightarrow \mathbf{H}$

$1329 + 1336 = \square \rightarrow \mathbf{M}$

$994 + 1282 = \square \rightarrow \mathbf{U}$

$2218 + 3653 = \square \rightarrow \mathbf{T}$

$999 + 1510 = \square \rightarrow \mathbf{D}$

$1259 + 1652 = \square \rightarrow \mathbf{E}$

Scratch space:

CLUE 3
Subtraction

The ghoul stole some bats from the cage. Subtract the remaining bats from the total to see how many escaped.

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

T																
4896	8939	7890	8305	1529	4644	4832	4644	1291	4644	8305	1291	8939	7890	4832	1291	7890
											T				T	
6996	4640	4640	1057	7890	7247	4548	4644	1529	7829	6211	6996	4896	4640	4644	3927	4896

$6310 - 1414 = \square \rightarrow \text{**T**}$

$12870 - 4980 = \square \rightarrow \text{**E**}$

$9246 - 3035 = \square \rightarrow \text{**I**}$

$9671 - 4839 = \square \rightarrow \text{**N**}$

$3844 - 2553 = \square \rightarrow \text{**W**}$

$8124 - 4197 = \square \rightarrow \text{**S**}$

$8383 - 1136 = \square \rightarrow \text{**D**}$

$8711 - 4067 = \square \rightarrow \text{**A**}$

$6813 - 2265 = \square \rightarrow \text{**G**}$

$8826 - 521 = \square \rightarrow \text{**Y**}$

$11535 - 3706 = \square \rightarrow \text{**L**}$

$4375 - 3318 = \square \rightarrow \text{**K**}$

$8674 - 1678 = \square \rightarrow \text{**C**}$

$5656 - 1016 = \square \rightarrow \text{**O**}$

$11784 - 2845 = \square \rightarrow \text{**H**}$

$2594 - 1065 = \square \rightarrow \text{**R**}$

Scratch space:

CLUE 4

Multiplication facts (1-12)

The tombstone path has rows of skulls. Multiply the rows by the columns to count them and get the next clue.

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

A									A									
30	8	81	32	8	121	70	63	22	49	30	5	88	42	20	32	30	80	7
	A																	
5	30	42	121	70	16	20	27	70	49	33	80	7						

$5 \times 6 = \square \rightarrow \boxed{\text{A}}$

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

$11 \times 8 = \square \rightarrow \boxed{\text{K}}$

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

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

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

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

$3 \times 11 = \square \rightarrow \boxed{\text{I}}$

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

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

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

$4 \times 8 = \square \rightarrow \boxed{\text{R}}$

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

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

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

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

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

$11 \times 2 = \square \rightarrow \boxed{\text{O}}$

Scratch space:

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

We must share these garlic cloves equally among our monster hunters. Divide them up to find 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:

$66 \div 6 = \boxed{}$

$48 \div 8 = \boxed{}$

$88 \div 11 = \boxed{}$

$72 \div 6 = \boxed{}$

$56 \div 8 = \boxed{}$

$60 \div 6 = \boxed{}$

$8 \div 4 = \boxed{}$

$11 \div 11 = \boxed{}$

$36 \div 9 = \boxed{}$

$5 \div 1 = \boxed{}$

$3 \div 1 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain waves a tickle feather, then looks around with ghost goggles.
2. The villain waves a tickle feather, then hides behind a coffin shield.
3. The villain shakes a screaming skull, then waves with skeleton gloves.
4. The villain toots a loud gasp horn, then hides behind a coffin shield.
5. The villain shakes a screaming skull, then stomps off in spider boots.
6. The villain toots a loud gasp horn, then flies away in a bat cape.
7. The villain pours a green chuckle potion, then waves with skeleton gloves.
8. The villain starts a noisy fog machine, then waves with skeleton gloves.
9. The villain starts a noisy fog machine, then flies away in a bat cape.
10. The villain toots a loud gasp horn, then looks around with ghost goggles.
11. The villain toots a loud gasp horn, then waves with skeleton gloves.
12. The villain shakes a screaming skull, then looks around with ghost goggles.

Answer Key

The Crypt-Keeper's Cryptic Caper

Culprit: Justin Pieces

fog machine · bat cape · right handed · purple mohawk · garlic toast

Trail: Start 21 → Clue 1 16 → Clue 2 10 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE GHOUL DOES NOT WEAR A COFFIN SHIELD"

Round 3,026 to the nearest thousand = 3000 (T) · Round 429 to the nearest ten = 430 (R) · Round 373 to the nearest ten = 370 (W) · Round 286 to the nearest ten = 290 (U) · Round 276 to the nearest hundred = 300 (D) · Round 4,292 to the nearest hundred = 4300 (E) · Round 1,714 to the nearest hundred = 1700 (O) · Round 52 to the nearest ten = 50 (F) · Round 19 to the nearest ten = 20 (N) · Round 527 to the nearest hundred = 500 (L) · Round 134 to the nearest ten = 130 (I) · Round 3,651 to the nearest hundred = 3700 (G) · Round 4,709 to the nearest thousand = 5000 (S) · Round 2,266 to the nearest hundred = 2300 (A) · Round 6,549 to the nearest thousand = 7000 (C) · Round 166 to the nearest ten = 170 (H)

Clue 2 (Addition): "WE SAW THEM USE THEIR RIGHT HAND TO WRITE"

$4551 + 2262 = 6813$ (W) · $4492 + 2957 = 7449$ (R) · $1503 + 3340 = 4843$ (N) · $2600 + 3634 = 6234$ (I) · $3464 + 3394 = 6858$ (S) · $3208 + 5022 = 8230$ (A) · $4619 + 2071 = 6690$ (G) · $2666 + 1740 = 4406$ (O) · $2108 + 3106 = 5214$ (H) · $1329 + 1336 = 2665$ (M) · $994 + 1282 = 2276$ (U) · $2218 + 3653 = 5871$ (T) · $999 + 1510 = 2509$ (D) · $1259 + 1652 = 2911$ (E)

Clue 3 (Subtraction): "THEY RAN AWAY WHEN WE COOKED GARLIC TOAST"

$6310 - 1414 = 4896$ (T) · $12870 - 4980 = 7890$ (E) · $9246 - 3035 = 6211$ (I) · $9671 - 4839 = 4832$ (N) · $3844 - 2553 = 1291$ (W) · $8124 - 4197 = 3927$ (S) · $8383 - 1136 = 7247$ (D) · $8711 - 4067 = 4644$ (A) · $6813 - 2265 = 4548$ (G) · $8826 - 521 = 8305$ (Y) · $11535 - 3706 = 7829$ (L) · $4375 - 3318 = 1057$ (K) · $8674 - 1678 = 6996$ (C) · $5656 - 1016 = 4640$ (O) · $11784 - 2845 = 8939$ (H) · $2594 - 1065 = 1529$ (R)

Clue 4 (Multiplication facts (1-12)): "A PURPLE MOHAWK STRAND WAS LEFT BEHIND"

$5 \times 6 = 30$ (A) · $9 \times 7 = 63$ (M) · $11 \times 8 = 88$ (K) · $5 \times 1 = 5$ (W) · $8 \times 10 = 80$ (N) · $11 \times 11 = 121$ (L) · $7 \times 1 = 7$ (D) · $3 \times 11 = 33$ (I) · $2 \times 8 = 16$ (F) · $8 \times 1 = 8$ (P) · $9 \times 9 = 81$ (U) · $4 \times 8 = 32$ (R) · $5 \times 4 = 20$ (T) · $6 \times 7 = 42$ (S) · $3 \times 9 = 27$ (B) · $10 \times 7 = 70$ (E) · $7 \times 7 = 49$ (H) · $11 \times 2 = 22$ (O)

Clue 5 (Division facts (1-12)): surviving statement is box 9 → Justin Pieces

$66 \div 6 = 11$ · $48 \div 8 = 6$ · $88 \div 11 = 8$ · $72 \div 6 = 12$ · $56 \div 8 = 7$ · $60 \div 6 = 10$ · $8 \div 4 = 2$ · $11 \div 11 = 1$ · $36 \div 9 = 4$ · $5 \div 1 = 5$ · $3 \div 1 = 3$