



The Mystery of the Missing Remembrall

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

Detective: _____ **Date:** _____

An anxious first-year has lost their precious Remembrall! It was swiped right off their desk in the Great Hall. You must search Hogwarts to find the mischievous student who took it.

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 mischievous student is _____

Possible suspects

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

NAME	SPELL CAST	ESCAPE METHOD	WAND HAND	HAIR COLOR	GREATEST FEAR
Elara Starling	casting a levitation charm	wearing an invisibility cloak	holding wand in right hand	bright red hair	fearing a roaring lion
Milo Broadmoor	using a memory spell	flying on a broom	holding wand in right hand	pale blonde hair	fearing a roaring lion
Silas Merrythought	casting a levitation charm	sneaking through secret passages	holding wand in right hand	dark black hair	disliking cold water
Alby Thorne	summoning a patronus	wearing an invisibility cloak	holding wand in left hand	dark black hair	disliking cold water
Cora Pendelton	using a memory spell	wearing an invisibility cloak	holding wand in left hand	pale blonde hair	sneezing around cat hair
Prudence Vance	casting a levitation charm	sneaking through secret passages	holding wand in left hand	pale blonde hair	disliking cold water
Rufus Sterling	brewing a shrinking potion	flying on a broom	holding wand in right hand	pale blonde hair	disliking cold water
Barnaby Vance	casting a levitation charm	transforming into a cat	holding wand in left hand	pale blonde hair	sneezing around cat hair
Jasper Swift	summoning a patronus	decoding ancient runes	holding wand in right hand	dark black hair	disliking cold water
Lysander Rook	brewing a shrinking potion	flying on a broom	holding wand in right hand	bright red hair	disliking cold water
Nesta Quirke	casting a levitation charm	sneaking through secret passages	holding wand in left hand	dark black hair	disliking cold water
Orion Blackwood	casting a levitation charm	wearing an invisibility cloak	holding wand in left hand	dark black hair	disliking cold water
Darius Thorne	casting a levitation charm	transforming into a cat	holding wand in left hand	dark black hair	disliking cold water
Kendra Finch	brewing a shrinking potion	transforming into a cat	holding wand in right hand	dark black hair	disliking cold water
Felix Fawley	conjuring magical sparks	wearing an invisibility cloak	holding wand in right hand	pale blonde hair	sneezing around cat hair
Hesper Gamp	brewing a shrinking potion	decoding ancient runes	holding wand in right hand	dark black hair	sneezing around cat hair
Wilfred Elphick	brewing a shrinking potion	wearing an invisibility cloak	holding wand in left hand	pale blonde hair	disliking cold water
Uriah Gudgeon	casting a levitation charm	decoding ancient runes	holding wand in right hand	bright red hair	fearing a roaring lion
Tabitha Tuft	casting a levitation charm	flying on a broom	holding wand in left hand	dark black hair	fearing a roaring lion
Valerie Vane	using a memory spell	decoding ancient runes	holding wand in right hand	dark black hair	disliking cold water
Quentin Trimble	conjuring magical sparks	wearing an invisibility cloak	holding wand in left hand	dark black hair	disliking cold water

CLUE 1

You find a mysterious safe locked with a code. The digit in the tens place reveals a hidden scroll. It tells us about the thief.

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

6000 10 80 8000 90 500 500 4000 90 20 400 4000 20 20 300 6000

6000 900 4000 20 3000 30 300 900 60 90 20 6000 300 4000 400 4000 6000

What is the value of the 6 in 6,798? → **T**

What is the value of the 4 in 9,408? → **C**

What is the value of the 6 in 9,462? → **M**

What is the value of the 2 in 4,721? → **N**

What is the value of the 3 in 346? →

What is the value of the 9 in 7,794? →

What is the value of the 5 in 538? → **L**

What is the value of the 1 in 9,512? → **H**

What is the value of the 3 in 3,004? → **\$**

What is the value of the 4 in 84,635? → **A**

What is the value of the 8 in 28,441? →

What is the value of the 8 in 285? → **E**

What is the value of the 9 in 914? → **R**

What is the value of the 3 in 5,034? → **F**

Scratch space:

CLUE 2 Addition

You gather all the spilled potion ingredients from the floor. Adding the counts of beetle eyes and lacewing flies gives us a magical number and a new clue.

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

855 938 384 765 970 665 665 339 970 611 282 453 384 286 855 938 384 970 806

665 384 555 855 938 339 611 286 855 829 305 339 453 855

$336 + 519 = \boxed{} \rightarrow \boxed{\text{T}}$

$$434 + 231 = \boxed{} \rightarrow \boxed{\text{L}}$$

$$183 + 99 = \boxed{} \rightarrow \boxed{\text{U}}$$

$583 + 387 = \boxed{} \rightarrow \boxed{}$

$220 + 119 = \boxed{} \rightarrow \boxed{\text{A}}$

$$388 + 441 = \boxed{} \rightarrow \boxed{0}$$

$140 + 165 = \boxed{} \rightarrow \boxed{\text{C}}$

$289 + 322 = \square \rightarrow \boxed{\text{N}}$

$$397 + 368 = \boxed{} \rightarrow \boxed{\mathbf{v}}$$

$$540 + 266 = \boxed{} \rightarrow \boxed{\text{R}}$$

$306 + 249 = \boxed{} \rightarrow \boxed{\text{F}}$

$$533 + 405 = \boxed{} \rightarrow \boxed{\text{H}}$$

$$160 + 224 = \boxed{} \rightarrow \boxed{\text{E}}$$

$$202 + 251 = \boxed{} \rightarrow \boxed{\text{S}}$$

$$180 + 106 = \boxed{} \rightarrow \boxed{\text{D}}$$

Scratch space:

CLUE 3
Subtraction

Someone took Floo powder from the pot. Subtracting the remaining scoops from yesterday's total shows exactly how much was stolen, unlocking another hint.

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

T												T							
224	400	251	387	601	527	527	294	601	732	400	294	224	251	264	219	654	527	418	

		T												
108	294	224	251	539	264	443	539	601	732	477	527	251	264	

$332 - 108 = \square \rightarrow \boxed{\text{T}}$

$362 - 68 = \square \rightarrow \boxed{\text{A}}$

$711 - 57 = \square \rightarrow \boxed{\text{O}}$

$340 - 121 = \square \rightarrow \boxed{\text{C}}$

$665 - 138 = \square \rightarrow \boxed{\text{L}}$

$668 - 191 = \square \rightarrow \boxed{\text{K}}$

$1021 - 289 = \square \rightarrow \boxed{\text{N}}$

$384 - 133 = \square \rightarrow \boxed{\text{E}}$

$626 - 183 = \square \rightarrow \boxed{\text{P}}$

$592 - 53 = \square \rightarrow \boxed{\text{R}}$

$980 - 379 = \square \rightarrow \boxed{\text{I}}$

$457 - 349 = \square \rightarrow \boxed{\text{W}}$

$601 - 201 = \square \rightarrow \boxed{\text{H}}$

$634 - 216 = \square \rightarrow \boxed{\text{D}}$

$617 - 353 = \square \rightarrow \boxed{\text{S}}$

$731 - 344 = \square \rightarrow \boxed{\text{V}}$

Scratch space:

CLUE 4 Rounding

A magical gauge measures the dark magic in the room. The unstable dial spins wildly and only locks on a rounded number. This rounded value points to a clue.

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

D																	
70	5000	80	3000	60	500	5000	40	3000	30	5000	400	80	300	5000	900		
				D													
50	9000	800	90	70	5000	8000	8000	30	20	900	40	20	90	20			

Round 70 to the nearest ten → **D**

Round 501 to the nearest hundred → **L**

Round 62 to the nearest ten → **B**

Round 8,432 to the nearest thousand → **T**

Round 5,233 to the nearest thousand → **A**

Round 837 to the nearest hundred → **U**

Round 49 to the nearest ten → **F**

Round 39 to the nearest ten → **C**

Round 296 to the nearest hundred → **W**

Round 23 to the nearest ten → **E**

Round 89 to the nearest ten → **N**

Round 27 to the nearest ten → **H**

Round 412 to the nearest hundred → **I**

Round 8,685 to the nearest thousand → **O**

Round 84 to the nearest ten → **R**

Round 2,702 to the nearest thousand → **K**

Round 906 to the nearest hundred → **S**

Scratch space:

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

You share a bag of Bertie Bott's Beans equally among the search party. The equal share each wizard gets points to the final clue about the villain.

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:

$108 \div 9 = \boxed{}$

$12 \div 6 = \boxed{}$

$3 \div 1 = \boxed{}$

$88 \div 8 = \boxed{}$

$21 \div 3 = \boxed{}$

$110 \div 11 = \boxed{}$

$20 \div 5 = \boxed{}$

$2 \div 2 = \boxed{}$

$30 \div 5 = \boxed{}$

$10 \div 2 = \boxed{}$

$63 \div 7 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain uses a memory spell on the portrait guard, then runs off after transforming into a cat.
2. The villain summons a silver patronus in the corridor, then fades away under an invisibility cloak.
3. The villain casts a levitation charm on the classroom desks, then slips into a secret passage behind a mirror.
4. The villain brews a shrinking potion in a silver cauldron, then escapes by flying on a broom.
5. The villain casts a levitation charm on the classroom desks, then decodes the ancient runes on the locked door.
6. The villain casts a levitation charm on the classroom desks, then escapes by flying on a broom.
7. The villain brews a shrinking potion in a silver cauldron, then runs off after transforming into a cat.
8. The villain conjures red and gold magical sparks, then fades away under an invisibility cloak.
9. The villain conjures red and gold magical sparks, then slips into a secret passage behind a mirror.
10. The villain uses a memory spell on the portrait guard, then decodes the ancient runes on the locked door.
11. The villain summons a silver patronus in the corridor, then runs off after transforming into a cat.
12. The villain casts a levitation charm on the classroom desks, then fades away under an invisibility cloak.

Answer Key

The Mystery of the Missing Remembrall

Culprit: Quentin Trimble

conjuring magical sparks · wearing an invisibility cloak · holding wand in left hand · dark black hair · disliking cold water

Trail: Start 21 → Clue 1 18 → Clue 2 8 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Place value): "THE VILLAIN CANNOT TRANSFORM INTO A CAT"

What is the value of the 6 in 6,798? = 6000 (T) · What is the value of the 4 in 9,408? = 400 (C) · What is the value of the 6 in 9,462? = 60 (M) · What is the value of the 2 in 4,721? = 20 (N) · What is the value of the 3 in 346? = 300 (O) · What is the value of the 9 in 7,794? = 90 (I) · What is the value of the 5 in 538? = 500 (L) · What is the value of the 1 in 9,512? = 10 (H) · What is the value of the 3 in 3,004? = 3000 (S) · What is the value of the 4 in 84,635? = 4000 (A) · What is the value of the 8 in 28,441? = 8000 (V) · What is the value of the 8 in 285? = 80 (E) · What is the value of the 9 in 914? = 900 (R) · What is the value of the 3 in 5,034? = 30 (F)

Clue 2 (Addition): "THE VILLAIN USED THEIR LEFT HAND TO CAST"

$336 + 519 = 855$ (T) · $434 + 231 = 665$ (L) · $183 + 99 = 282$ (U) · $583 + 387 = 970$ (I) · $220 + 119 = 339$ (A) · $388 + 441 = 829$ (O) · $140 + 165 = 305$ (C) · $289 + 322 = 611$ (N) · $397 + 368 = 765$ (V) · $540 + 266 = 806$ (R) · $306 + 249 = 555$ (F) · $533 + 405 = 938$ (H) · $160 + 224 = 384$ (E) · $202 + 251 = 453$ (S) · $180 + 106 = 286$ (D)

Clue 3 (Subtraction): "THE VILLAIN HATES COLD WATER SPRINKLES"

$332 - 108 = 224$ (T) · $362 - 68 = 294$ (A) · $711 - 57 = 654$ (O) · $340 - 121 = 219$ (C) · $665 - 138 = 527$ (L) · $668 - 191 = 477$ (K) · $1021 - 289 = 732$ (N) · $384 - 133 = 251$ (E) · $626 - 183 = 443$ (P) · $592 - 53 = 539$ (R) · $980 - 379 = 601$ (I) · $457 - 349 = 108$ (W) · $601 - 201 = 400$ (H) · $634 - 216 = 418$ (D) · $617 - 353 = 264$ (S) · $731 - 344 = 387$ (V)

Clue 4 (Rounding): "DARK BLACK HAIR WAS FOUND AT THE SCENE"

Round 70 to the nearest ten = 70 (D) · Round 501 to the nearest hundred = 500 (L) · Round 62 to the nearest ten = 60 (B) · Round 8,432 to the nearest thousand = 8000 (T) · Round 5,233 to the nearest thousand = 5000 (A) · Round 837 to the nearest hundred = 800 (U) · Round 49 to the nearest ten = 50 (F) · Round 39 to the nearest ten = 40 (C) · Round 296 to the nearest hundred = 300 (W) · Round 23 to the nearest ten = 20 (E) · Round 89 to the nearest ten = 90 (N) · Round 27 to the nearest ten = 30 (H) · Round 412 to the nearest hundred = 400 (I) · Round 8,685 to the nearest thousand = 9000 (O) · Round 84 to the nearest ten = 80 (R) · Round 2,702 to the nearest thousand = 3000 (K) · Round 906 to the nearest hundred = 900 (S)

Clue 5 (Division facts (1-12)): surviving statement is box 8 → Quentin Trimble

$108 \div 9 = 12$ · $12 \div 6 = 2$ · $3 \div 1 = 3$ · $88 \div 8 = 11$ · $21 \div 3 = 7$ · $110 \div 11 = 10$ · $20 \div 5 = 4$ · $2 \div 2 = 1$ · $30 \div 5 = 6$ · $10 \div 2 = 5$ · $63 \div 7 = 9$