



The Dark Wizard Hunt

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

Detective: _____ **Date:** _____

An emergency alarm has sounded in the Ministry! A sneaky Dark Wizard has slipped into the vaults to steal restricted spellbooks. Secure the exits, grab your wand, and help the Aurors crack the case!

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 Dark Wizard is _____

Possible suspects

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

NAME	MAGIC SPECIALTY	DARK OBJECT	WAND HAND	HAIR COLOR	COUNTER SPELL
Rabastan Lestrangle	Mind Control	Shadow Cloak	Right wand hand	Sandy blond hair	Shield Charm
Augustus Rookwood	Mind Control	Poison Quill	Left wand hand	Sandy blond hair	Reductor Curse
Regulus Black	Illusion Magic	Dark Mark Ink	Left wand hand	Ink black hair	Shield Charm
Alecto Carrow	Transfiguration	Cursed Ring	Left wand hand	Sandy blond hair	Reductor Curse
Mad-Eye Moody	Mind Control	Poison Quill	Left wand hand	Sandy blond hair	Stunning Spell
Walden Macnair	Mind Control	Dark Mark Ink	Right wand hand	Silver hair	Reductor Curse
Narcissa Malfoy	Potion Making	Dark Mark Ink	Left wand hand	Silver hair	Stunning Spell
Bellatrix Lestrangle	Mind Control	Howler Box	Right wand hand	Silver hair	Shield Charm
Antonin Dolohov	Mind Control	Howler Box	Right wand hand	Silver hair	Stunning Spell
Rodolphus Lestrangle	Potion Making	Poison Quill	Right wand hand	Sandy blond hair	Reductor Curse
Peter Pettigrew	Illusion Magic	Cursed Ring	Left wand hand	Sandy blond hair	Shield Charm
Amycus Carrow	Dark Curses	Howler Box	Right wand hand	Ink black hair	Reductor Curse
Gregory Goyle	Illusion Magic	Dark Mark Ink	Right wand hand	Silver hair	Reductor Curse
Kingsley Shacklebolt	Mind Control	Howler Box	Left wand hand	Silver hair	Stunning Spell
Remus Lupin	Transfiguration	Dark Mark Ink	Left wand hand	Sandy blond hair	Reductor Curse
Igor Karkaroff	Dark Curses	Howler Box	Left wand hand	Sandy blond hair	Reductor Curse
Nymphadora Tonks	Dark Curses	Poison Quill	Right wand hand	Ink black hair	Stunning Spell
Thorfinn Rowle	Potion Making	Shadow Cloak	Left wand hand	Ink black hair	Stunning Spell
Corban Yaxley	Potion Making	Shadow Cloak	Left wand hand	Sandy blond hair	Reductor Curse
Sirius Black	Illusion Magic	Dark Mark Ink	Left wand hand	Ink black hair	Stunning Spell
Draco Malfoy	Mind Control	Shadow Cloak	Left wand hand	Silver hair	Reductor Curse

CLUE 1 Rounding

The magical radar in the Auror Office only shows rounded numbers. We must round the broomstick speeds to find the first clue.

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

T																T
1100	20	300	2000	700	30	30	230	700	430	290	900	300	2900	430	900	1100
20	230	2000	300	230	20	900	3000	30	300	110	50	900	370			

Round 1,073 to the nearest hundred → **T**

Round 107 to the nearest ten → **R**

Round 2,902 to the nearest hundred → **S**

Round 21 to the nearest ten → **H**

Round 907 to the nearest hundred → **O**

Round 226 to the nearest ten → **A**

Round 727 to the nearest hundred → **I**

Round 1,601 to the nearest thousand → **V**

Round 286 to the nearest ten → **D**

Round 374 to the nearest ten → **X**

Round 3,417 to the nearest thousand → **W**

Round 338 to the nearest hundred → **E**

Round 28 to the nearest ten → **L**

Round 434 to the nearest ten → **N**

Round 49 to the nearest ten → **B**

Scratch space:

CLUE 2 Addition

We need to count all the sneaky dark marks drawn on the walls. Add up the total marks to unlock this clue.

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

T																	
6463	4548	2930	2472	9348	7553	9648	4669	9150	2930	2472	9348	6665	2930	3161	5481	2930	
									T								
7553	4548	8466	2674	7553	4669	9150	2930	3298	6463	2674	4669	3161	6665	4548	4669	3161	6665

$$4416 + 2047 = \boxed{} \rightarrow \boxed{\text{T}}$$

$$1477 + 1821 = \boxed{} \rightarrow \boxed{\text{F}}$$

$$1669 + 1492 = \boxed{} \rightarrow \boxed{\text{N}}$$

$$3456 + 5010 = \boxed{} \rightarrow \boxed{\text{O}}$$

$$1385 + 1289 = \boxed{} \rightarrow \boxed{\text{W}}$$

$$2696 + 2785 = \boxed{} \rightarrow \boxed{\text{C}}$$

$$3615 + 6033 = \boxed{} \rightarrow \boxed{\text{U}}$$

$$5663 + 3487 = \boxed{} \rightarrow \boxed{\text{L}}$$

$$1087 + 1385 = \boxed{} \rightarrow \boxed{\text{V}}$$

$$5245 + 2308 = \boxed{} \rightarrow \boxed{\text{S}}$$

$$3641 + 3024 = \boxed{} \rightarrow \boxed{\text{D}}$$

$$1203 + 1727 = \boxed{} \rightarrow \boxed{\text{E}}$$

$$5189 + 4159 = \boxed{} \rightarrow \boxed{\text{I}}$$

$$1690 + 2979 = \boxed{} \rightarrow \boxed{\text{A}}$$

$$1492 + 3056 = \boxed{} \rightarrow \boxed{\text{H}}$$

Scratch space:

CLUE 3

Subtraction

A sneaky thief took some exploding bonbons from the desk. Subtract the stolen sweets from the pile to see what remains.

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

T									T											
1446	8652	1857	1306	1857	8760	2640	8286	1446	4126	1306	8286	2640	1306	2176	1857	7887	6828	7037	7037	
	T			T																
2176	1446	4126	5390	1446	8652	6828	2176	1857	2085	1857	4981	6941								

$5114 - 3668 = \square \rightarrow \boxed{\text{T}}$

$9705 - 2668 = \square \rightarrow \boxed{\text{L}}$

$6901 - 4261 = \square \rightarrow \boxed{\text{U}}$

$4366 - 2190 = \square \rightarrow \boxed{\text{S}}$

$8646 - 3256 = \square \rightarrow \boxed{\text{P}}$

$12426 - 3774 = \square \rightarrow \boxed{\text{H}}$

$7287 - 2306 = \square \rightarrow \boxed{\text{M}}$

$1626 - 320 = \square \rightarrow \boxed{\text{R}}$

$9136 - 2308 = \square \rightarrow \boxed{\text{I}}$

$8793 - 1852 = \square \rightarrow \boxed{\text{Y}}$

$7632 - 3506 = \square \rightarrow \boxed{\text{O}}$

$9799 - 1513 = \square \rightarrow \boxed{\text{C}}$

$11793 - 3906 = \square \rightarrow \boxed{\text{W}}$

$5205 - 3348 = \square \rightarrow \boxed{\text{E}}$

$9147 - 387 = \square \rightarrow \boxed{\text{D}}$

$3934 - 1849 = \square \rightarrow \boxed{\text{N}}$

Scratch space:

CLUE 4
Multiplication facts (1-12)

The potion ingredients are kept in neat rows. Multiply the rows of Mandrake leaves to reveal the next clue.

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

T							T												
88	10	108	7	108	40	88	70	108	10	3	27	24	10	50	3	9			
66	50	22	22	50	27	24	45	70	7	21	27	24							

$11 \times 8 =$

 → **T**

$10 \times 5 =$

 → **A**

$3 \times 7 =$

 → **O**

$10 \times 7 =$

 → **B**

$2 \times 11 =$

 → **S**

$10 \times 4 =$

 → **F**

$10 \times 1 =$

 → **H**

$9 \times 5 =$

 → **Y**

$9 \times 12 =$

 → **E**

$6 \times 4 =$

 → **D**

$3 \times 1 =$

 → **I**

$7 \times 1 =$

 → **L**

$3 \times 9 =$

 → **N**

$9 \times 1 =$

 → **R**

$11 \times 6 =$

 → **W**

Scratch space:

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

We must share the protective amulets equally among our team of Aurors. Divide the stash to get 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:

$27 \div 3 = \boxed{}$

$12 \div 12 = \boxed{}$

$36 \div 6 = \boxed{}$

$40 \div 5 = \boxed{}$

$10 \div 2 = \boxed{}$

$70 \div 10 = \boxed{}$

$70 \div 7 = \boxed{}$

$60 \div 5 = \boxed{}$

$12 \div 3 = \boxed{}$

$8 \div 4 = \boxed{}$

$55 \div 5 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain brews a sleeping draught, then vanishes in a cloud of smoke.
2. The villain sneaks into the potions lab, then flies away on a broomstick.
3. The villain taps the secret brick, then flies away on a broomstick.
4. The villain casts a freezing jinx, then disappears with a loud pop.
5. The villain disguises themselves as a cat, then vanishes in a cloud of smoke.
6. The villain sneaks into the potions lab, then zips off using floo powder.
7. The villain casts a freezing jinx, then zips off using floo powder.
8. The villain brews a sleeping draught, then zips off using floo powder.
9. The villain brews a sleeping draught, then escapes through the fireplace.
10. The villain brews a sleeping draught, then flies away on a broomstick.
11. The villain taps the secret brick, then zips off using floo powder.
12. The villain brews a sleeping draught, then disappears with a loud pop.

Answer Key

The Dark Wizard Hunt

Culprit: Augustus Rookwood

Mind Control · Poison Quill · Left wand hand · Sandy blond hair · Reductor Curse

Trail: Start 21 → Clue 1 16 → Clue 2 11 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE VILLAIN DOES NOT HAVE A HOWLER BOX"

Round 1,073 to the nearest hundred = 1100 (T) · Round 107 to the nearest ten = 110 (R) · Round 2,902 to the nearest hundred = 2900 (S) · Round 21 to the nearest ten = 20 (H) · Round 907 to the nearest hundred = 900 (O) · Round 226 to the nearest ten = 230 (A) · Round 727 to the nearest hundred = 700 (I) · Round 1,601 to the nearest thousand = 2000 (V) · Round 286 to the nearest ten = 290 (D) · Round 374 to the nearest ten = 370 (X) · Round 3,417 to the nearest thousand = 3000 (W) · Round 338 to the nearest hundred = 300 (E) · Round 28 to the nearest ten = 30 (L) · Round 434 to the nearest ten = 430 (N) · Round 49 to the nearest ten = 50 (B)

Clue 2 (Addition): "THE VISUAL EVIDENCE SHOWS A LEFT WAND HAND"

$4416 + 2047 = 6463$ (T) · $1477 + 1821 = 3298$ (F) · $1669 + 1492 = 3161$ (N) · $3456 + 5010 = 8466$ (O) · $1385 + 1289 = 2674$ (W) · $2696 + 2785 = 5481$ (C) · $3615 + 6033 = 9648$ (U) · $5663 + 3487 = 9150$ (L) · $1087 + 1385 = 2472$ (V) · $5245 + 2308 = 7553$ (S) · $3641 + 3024 = 6665$ (D) · $1203 + 1727 = 2930$ (E) · $5189 + 4159 = 9348$ (I) · $1690 + 2979 = 4669$ (A) · $1492 + 3056 = 4548$ (H)

Clue 3 (Subtraction): "THE REDUCTOR CURSE WILL STOP THIS ENEMY"

$5114 - 3668 = 1446$ (T) · $9705 - 2668 = 7037$ (L) · $6901 - 4261 = 2640$ (U) · $4366 - 2190 = 2176$ (S) · $8646 - 3256 = 5390$ (P) · $12426 - 3774 = 8652$ (H) · $7287 - 2306 = 4981$ (M) · $1626 - 320 = 1306$ (R) · $9136 - 2308 = 6828$ (I) · $8793 - 1852 = 6941$ (Y) · $7632 - 3506 = 4126$ (O) · $9799 - 1513 = 8286$ (C) · $11793 - 3906 = 7887$ (W) · $5205 - 3348 = 1857$ (E) · $9147 - 387 = 8760$ (D) · $3934 - 1849 = 2085$ (N)

Clue 4 (Multiplication facts (1-12)): "THE LEFT BEHIND HAIR WAS SANDY BLOND"

$11 \times 8 = 88$ (T) · $10 \times 5 = 50$ (A) · $3 \times 7 = 21$ (O) · $10 \times 7 = 70$ (B) · $2 \times 11 = 22$ (S) · $10 \times 4 = 40$ (F) · $10 \times 1 = 10$ (H) · $9 \times 5 = 45$ (Y) · $9 \times 12 = 108$ (E) · $6 \times 4 = 24$ (D) · $3 \times 1 = 3$ (I) · $7 \times 1 = 7$ (L) · $3 \times 9 = 27$ (N) · $9 \times 1 = 9$ (R) · $11 \times 6 = 66$ (W)

Clue 5 (Division facts (1-12)): surviving statement is box 3 → Augustus Rookwood

$27 \div 3 = 9$ · $12 \div 12 = 1$ · $36 \div 6 = 6$ · $40 \div 5 = 8$ · $10 \div 2 = 5$ · $70 \div 10 = 7$ · $70 \div 7 = 10$ · $60 \div 5 = 12$ · $12 \div 3 = 4$ · $8 \div 4 = 2$ · $55 \div 5 = 11$