



The Case of the Missing Ender Egg

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

Detective: _____ **Date:** _____

Someone has sneaked into the high tower of Blocksworth and stolen the ancient Ender Dragon Egg! The Head Librarian is in a panic because without the egg, the school's magic portals will collapse. Grab your iron sword and your spellbook—we have a mystery to solve!

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 rogue sorcerer is _____

Possible suspects

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

NAME	MAGIC POWER	ENCHANTED TOOL	DOMINANT HAND	HAIR COLOR	WEAKNESS
Merlin	Nether Summoning	Netherite Pickaxe	Right-handed	Orange Hair	Water Bucket
Albus	Block Teleportation	Golden Apple	Right-handed	Green Hair	Wolf Pack
Sapnap	Potion Brewing	Golden Apple	Right-handed	Orange Hair	Wolf Pack
Unspeakable	Nether Summoning	Bow of Infinity	Right-handed	Orange Hair	Water Bucket
Stampy	Block Teleportation	Bow of Infinity	Right-handed	Orange Hair	Wolf Pack
Jeb	Block Teleportation	Diamond Sword	Left-handed	Orange Hair	Pufferfish Poison
Mumbo	Redstone Alchemy	Trident of Storms	Left-handed	Green Hair	Wolf Pack
Notch	Potion Brewing	Bow of Infinity	Right-handed	Orange Hair	Water Bucket
DanTDM	Redstone Alchemy	Netherite Pickaxe	Right-handed	Orange Hair	Water Bucket
Philza	Nether Summoning	Netherite Pickaxe	Right-handed	Green Hair	Water Bucket
Alex	Block Teleportation	Netherite Pickaxe	Left-handed	Purple Hair	Water Bucket
Grian	Potion Brewing	Trident of Storms	Left-handed	Green Hair	Wolf Pack
Dream	Redstone Alchemy	Netherite Pickaxe	Left-handed	Orange Hair	Pufferfish Poison
LDShadowLady	Fireball Casting	Netherite Pickaxe	Left-handed	Green Hair	Water Bucket
CaptainSparklez	Potion Brewing	Bow of Infinity	Left-handed	Orange Hair	Water Bucket
Techno	Potion Brewing	Netherite Pickaxe	Right-handed	Orange Hair	Pufferfish Poison
Aphmau	Redstone Alchemy	Diamond Sword	Left-handed	Purple Hair	Water Bucket
Skeppy	Block Teleportation	Bow of Infinity	Left-handed	Orange Hair	Pufferfish Poison
Preston	Redstone Alchemy	Golden Apple	Right-handed	Orange Hair	Water Bucket
George	Fireball Casting	Golden Apple	Left-handed	Purple Hair	Wolf Pack
Zelda	Fireball Casting	Bow of Infinity	Left-handed	Orange Hair	Water Bucket

CLUE 1 Place value

You find a glowing coordinates map left by the thief. The digit in the tens place is smeared with glowing purple dust. Solve this place value puzzle to clean the map and read the first clue.

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

T																T	
600	400	200	2000	4000	60	60	100	4000	800	300	70	200	900	800	70	600	
				T													
400	100	2000	200	600	400	200	3000	70	60	300	200	800	100	50	50	60	200

What is the value of the 6 in 611? → **T**

What is the value of the 9 in 934? → **S**

What is the value of the 4 in 465? → **H**

What is the value of the 6 in 5,465? → **L**

What is the value of the 2 in 2,589? → **V**

What is the value of the 2 in 208? → **E**

What is the value of the 3 in 93,919? → **G**

What is the value of the 5 in 457? → **P**

What is the value of the 7 in 3,079? → **O**

What is the value of the 4 in 24,138? → **I**

What is the value of the 1 in 137? → **A**

What is the value of the 8 in 7,862? → **N**

What is the value of the 3 in 327? → **D**

Scratch space:

CLUE 2

A secret chest is locked tight with a magic code. You must add up the total number of lapis lazuli blocks inside to trigger the pressure plate and unlock the next hint.

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. The top row contains 18 boxes, and the bottom row contains 16 boxes. Some boxes are highlighted in orange and contain the letter 'T'.

Top row (18 boxes):

- Box 1: Orange, contains 'T' (Number: 8917)
- Box 2: White (Number: 2014)
- Box 3: White (Number: 4057)
- Box 4: White (Number: 8012)
- Box 5: White (Number: 4467)
- Box 6: White (Number: 4057)
- Box 7: White (Number: 9274)
- Box 8: White (Number: 8397)
- Box 9: White (Number: 5309)
- Box 10: Orange, contains 'T' (Number: 8917)
- Box 11: White (Number: 4057)
- Box 12: White (Number: 3871)
- Box 13: White (Number: 3871)
- Box 14: White (Number: 9773)
- Box 15: White (Number: 8397)
- Box 16: White (Number: 4467)
- Box 17: White (Number: 2973)
- Box 18: White (Number: 2973)
- Box 19: White (Number: 3871)

Bottom row (16 boxes):

- Box 1: White (Number: 9274)
- Box 2: White (Number: 5309)
- Box 3: Orange, contains 'T' (Number: 8917)
- Box 4: White (Number: 2014)
- Box 5: Orange, contains 'T' (Number: 8917)
- Box 6: White (Number: 2014)
- Box 7: White (Number: 4057)
- Box 8: White (Number: 5309)
- Box 9: White (Number: 8397)
- Box 10: White (Number: 8397)
- Box 11: White (Number: 5309)
- Box 12: White (Number: 7340)
- Box 13: White (Number: 2014)
- Box 14: Orange, contains 'T' (Number: 8917)
- Box 15: White (Number: 2014)
- Box 16: White (Number: 5552)
- Box 17: White (Number: 7644)
- Box 18: White (Number: 6329)

$$3331 + 5586 = \boxed{} \rightarrow \boxed{\text{T}}$$

$$1841 + 2216 = \boxed{} \rightarrow \boxed{\text{E}}$$

$$2156 + 3396 = \boxed{} \rightarrow \boxed{\text{A}}$$

$$2540 + 5857 = \boxed{} \rightarrow \boxed{\text{R}}$$

$$1962 + 2505 = \boxed{} \rightarrow \boxed{0}$$

$$4060 + 3584 = \boxed{} \rightarrow \boxed{\text{N}}$$

$$1793 + 2078 = \boxed{} \rightarrow \boxed{\text{S}}$$

$$1366 + 1607 = \boxed{} \rightarrow \boxed{\text{L}}$$

$$4349 + 1980 = \boxed{} \rightarrow \boxed{\text{D}}$$

$$4938 + 3074 = \boxed{} \rightarrow \boxed{\text{F}}$$

$$2356 + 2953 = \boxed{} \rightarrow \boxed{\text{I}}$$

$$1227 + 787 = \boxed{} \rightarrow \boxed{\text{H}}$$

$$3169 + 6604 = \boxed{} \rightarrow \boxed{\text{C}}$$

$$4763 + 4511 = \boxed{} \rightarrow \boxed{\text{W}}$$

$$4152 + 3188 = \boxed{} \rightarrow \boxed{\text{G}}$$

Scratch space:

CLUE 3

Subtraction

To cross the lava river, you have to build a stone bridge. Look at your inventory to see how many cobblestone blocks you have left after deducting the ones you used.

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

T																			
5342	7515	7930	3850	5932	1510	1510	6097	5932	2607	8127	1510	7930	7930	8775	8127	2853	8228	5336	
																T			
8775	7350	1510	6097	8775	7515	7930	8775	8228	8127	5143	8228	1510	5592	2263	6097	5342	7930	2853	

$5838 - 496 = \square \rightarrow \boxed{T}$

$12757 - 4529 = \square \rightarrow \boxed{O}$

$9442 - 667 = \square \rightarrow \boxed{S}$

$7855 - 2712 = \square \rightarrow \boxed{C}$

$7477 - 1885 = \square \rightarrow \boxed{D}$

$9862 - 3930 = \square \rightarrow \boxed{I}$

$6936 - 4673 = \square \rightarrow \boxed{W}$

$8209 - 82 = \square \rightarrow \boxed{F}$

$10660 - 3310 = \square \rightarrow \boxed{P}$

$8573 - 3237 = \square \rightarrow \boxed{M}$

$4121 - 1514 = \square \rightarrow \boxed{N}$

$6654 - 3801 = \square \rightarrow \boxed{R}$

$2524 - 1014 = \square \rightarrow \boxed{L}$

$7881 - 4031 = \square \rightarrow \boxed{V}$

$8776 - 846 = \square \rightarrow \boxed{E}$

$10735 - 3220 = \square \rightarrow \boxed{H}$

$9001 - 2904 = \square \rightarrow \boxed{A}$

Scratch space:

CLUE 4 Rounding

The teleportation portal needs a precise coordinate charge, but the control panel screen is flickering wildly. If you round the power levels to the nearest ten, the portal will stabilize and give you a clue.

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

O																	
430	170	30	2300	2000	200	1700	30	110	170	50	290	170	30	2300	230	50	
							O										
1300	1100	110	2300	2000	290	430	290	1700	200	700	170	200	2900	110	2300	2000	
50	290	30	2300	230													

Round 434 to the nearest ten → **O**

Round 682 to the nearest hundred → **B**

Round 226 to the nearest ten → **D**

Round 1,148 to the nearest hundred → **L**

Round 1,585 to the nearest thousand → **G**

Round 169 to the nearest ten → **R**

Round 53 to the nearest ten → **S**

Round 107 to the nearest ten → **I**

Round 2,934 to the nearest hundred → **W**

Round 288 to the nearest ten → **T**

Round 1,335 to the nearest hundred → **C**

Round 1,687 to the nearest hundred → **H**

Round 31 to the nearest ten → **A**

Round 198 to the nearest hundred → **E**

Round 2,344 to the nearest hundred → **N**

Scratch space:

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

A friendly pack of tamed wolves is guarding the exit. If you divide your bone treats equally among them so no wolf is left out, they will let you pass and sniff out 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:

$96 \div 12 = \square$

$100 \div 10 = \square$

$24 \div 12 = \square$

$12 \div 3 = \square$

$5 \div 1 = \square$

$12 \div 12 = \square$

$81 \div 9 = \square$

$3 \div 1 = \square$

$60 \div 5 = \square$

$7 \div 1 = \square$

$66 \div 11 = \square$

Step 2 - cross out the sentence with each answer:

1. The villain activates a complex redstone trap, then fires a volley of arrows from a bow of infinity.
2. The villain brews a bubbling potion of speed, then fires a volley of arrows from a bow of infinity.
3. The villain teleports through a solid brick wall, then digs a secret escape tunnel with a netherite pickaxe.
4. The villain brews a bubbling potion of speed, then slashes a path with a glowing diamond sword.
5. The villain summons a scary nether ghast, then slashes a path with a glowing diamond sword.
6. The villain blasts a wall with a fireball, then fires a volley of arrows from a bow of infinity.
7. The villain brews a bubbling potion of speed, then flies away using a trident of storms.
8. The villain summons a scary nether ghast, then fires a volley of arrows from a bow of infinity.
9. The villain activates a complex redstone trap, then slashes a path with a glowing diamond sword.
10. The villain activates a complex redstone trap, then digs a secret escape tunnel with a netherite pickaxe.
11. The villain summons a scary nether ghast, then digs a secret escape tunnel with a netherite pickaxe.
12. The villain blasts a wall with a fireball, then heals all wounds by eating a golden apple.

Answer Key

The Case of the Missing Ender Egg

Culprit: Merlin

Nether Summoning · Netherite Pickaxe · Right-handed · Orange Hair · Water Bucket

Trail: Start 21 → Clue 1 17 → Clue 2 7 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Place value): "THE VILLAIN DOES NOT HAVE THE GOLDEN APPLE"

What is the value of the 6 in 611? = 600 (T) · What is the value of the 9 in 934? = 900 (S) · What is the value of the 4 in 465? = 400 (H) · What is the value of the 6 in 5,465? = 60 (L) · What is the value of the 2 in 2,589? = 2000 (V) · What is the value of the 2 in 208? = 200 (E) · What is the value of the 3 in 93,919? = 3000 (G) · What is the value of the 5 in 457? = 50 (P) · What is the value of the 7 in 3,079? = 70 (O) · What is the value of the 4 in 24,138? = 4000 (I) · What is the value of the 1 in 137? = 100 (A) · What is the value of the 8 in 7,862? = 800 (N) · What is the value of the 3 in 327? = 300 (D)

Clue 2 (Addition): "THE FOE WRITES SCROLLS WITH THEIR RIGHT HAND"

$3331 + 5586 = 8917$ (T) · $1841 + 2216 = 4057$ (E) · $2156 + 3396 = 5552$ (A) · $2540 + 5857 = 8397$ (R) · $1962 + 2505 = 4467$ (O) · $4060 + 3584 = 7644$ (N) · $1793 + 2078 = 3871$ (S) · $1366 + 1607 = 2973$ (L) · $4349 + 1980 = 6329$ (D) · $4938 + 3074 = 8012$ (F) · $2356 + 2953 = 5309$ (I) · $1227 + 787 = 2014$ (H) · $3169 + 6604 = 9773$ (C) · $4763 + 4511 = 9274$ (W) · $4152 + 3188 = 7340$ (G)

Clue 3 (Subtraction): "THE VILLAIN FLEES FROM SPLASHES OF COLD WATER"

$5838 - 496 = 5342$ (T) · $12757 - 4529 = 8228$ (O) · $9442 - 667 = 8775$ (S) · $7855 - 2712 = 5143$ (C) · $7477 - 1885 = 5592$ (D) · $9862 - 3930 = 5932$ (I) · $6936 - 4673 = 2263$ (W) · $8209 - 82 = 8127$ (F) · $10660 - 3310 = 7350$ (P) · $8573 - 3237 = 5336$ (M) · $4121 - 1514 = 2607$ (N) · $6654 - 3801 = 2853$ (R) · $2524 - 1014 = 1510$ (L) · $7881 - 4031 = 3850$ (V) · $8776 - 846 = 7930$ (E) · $10735 - 3220 = 7515$ (H) · $9001 - 2904 = 6097$ (A)

Clue 4 (Rounding): "ORANGE HAIR STRANDS CLING TO THE BREWING STAND"

Round 434 to the nearest ten = 430 (O) · Round 682 to the nearest hundred = 700 (B) · Round 226 to the nearest ten = 230 (D) · Round 1,148 to the nearest hundred = 1100 (L) · Round 1,585 to the nearest thousand = 2000 (G) · Round 169 to the nearest ten = 170 (R) · Round 53 to the nearest ten = 50 (S) · Round 107 to the nearest ten = 110 (I) · Round 2,934 to the nearest hundred = 2900 (W) · Round 288 to the nearest ten = 290 (T) · Round 1,335 to the nearest hundred = 1300 (C) · Round 1,687 to the nearest hundred = 1700 (H) · Round 31 to the nearest ten = 30 (A) · Round 198 to the nearest hundred = 200 (E) · Round 2,344 to the nearest hundred = 2300 (N)

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

$96 \div 12 = 8$ · $100 \div 10 = 10$ · $24 \div 12 = 2$ · $12 \div 3 = 4$ · $5 \div 1 = 5$ · $12 \div 12 = 1$ · $81 \div 9 = 9$ · $3 \div 1 = 3$ · $60 \div 5 = 12$ · $7 \div 1 = 7$ · $66 \div 11 = 6$