



The Mystery of the Missing Endings

Grade 4 math · Rounding, Addition, Subtraction, Multiplication, Division · Reading level grades 5-6

Detective: _____ **Date:** _____

Someone is sneaking into the Great Whispering Library and stealing the final chapters of the kingdom's rarest books! Head Librarian Paige needs your help to catch the Scribble Bandit before our favorite stories are ruined forever.

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 Scribble Bandit is _____

Possible suspects

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

NAME	FAVORITE GENRE	LITERARY TOOL	READING HABITS	BOOKMARK TASSEL HAIR	DISTRACTION METHOD
Jane Austen	Sci-Fi Portal Magic	Everlasting Inkwell	Right Handed Page Turner	Braided Gold Thread Hair	Shouted Book Spoilers
Jules Verne	Historical Time Travel	Golden Bookmark	Right Handed Page Turner	Neon Blue Yarn Hair	Loud Library Sneezes
Agatha Christie	Poetic Rhyme Binding	Silver Reading Light	Right Handed Page Turner	Silk Red Tassel Hair	Loud Library Sneezes
Virginia Woolf	Historical Time Travel	Golden Bookmark	Left Handed Page Turner	Braided Gold Thread Hair	Loud Library Sneezes
Louisa Alcott	Mystery Clue Tracking	Silver Reading Light	Left Handed Page Turner	Neon Blue Yarn Hair	Loud Library Sneezes
Lewis Carroll	Sci-Fi Portal Magic	Golden Bookmark	Right Handed Page Turner	Silk Red Tassel Hair	Loud Library Sneezes
Edgar Allan Poe	Mystery Clue Tracking	Magnifying Glass	Right Handed Page Turner	Braided Gold Thread Hair	Shouted Book Spoilers
Leo Tolstoy	Fantasy Spell Casting	Quill of Truth	Right Handed Page Turner	Silk Red Tassel Hair	Loud Library Sneezes
Arthur Conan Doyle	Poetic Rhyme Binding	Quill of Truth	Right Handed Page Turner	Neon Blue Yarn Hair	Shouted Book Spoilers
C S Lewis	Mystery Clue Tracking	Quill of Truth	Right Handed Page Turner	Silk Red Tassel Hair	Loud Library Sneezes
Hans Andersen	Poetic Rhyme Binding	Golden Bookmark	Right Handed Page Turner	Neon Blue Yarn Hair	Loud Library Sneezes
L Frank Baum	Poetic Rhyme Binding	Everlasting Inkwell	Left Handed Page Turner	Silk Red Tassel Hair	Spilled Hot Cocoa
H G Wells	Poetic Rhyme Binding	Golden Bookmark	Right Handed Page Turner	Braided Gold Thread Hair	Loud Library Sneezes
Rudyard Kipling	Historical Time Travel	Quill of Truth	Left Handed Page Turner	Braided Gold Thread Hair	Spilled Hot Cocoa
Roald Dahl	Sci-Fi Portal Magic	Silver Reading Light	Right Handed Page Turner	Silk Red Tassel Hair	Spilled Hot Cocoa
Jack London	Fantasy Spell Casting	Magnifying Glass	Right Handed Page Turner	Silk Red Tassel Hair	Shouted Book Spoilers
Beatrix Potter	Fantasy Spell Casting	Everlasting Inkwell	Right Handed Page Turner	Braided Gold Thread Hair	Shouted Book Spoilers
Mary Shelley	Sci-Fi Portal Magic	Golden Bookmark	Left Handed Page Turner	Silk Red Tassel Hair	Spilled Hot Cocoa
Bram Stoker	Poetic Rhyme Binding	Quill of Truth	Right Handed Page Turner	Silk Red Tassel Hair	Loud Library Sneezes
Robert Frost	Fantasy Spell Casting	Magnifying Glass	Left Handed Page Turner	Silk Red Tassel Hair	Loud Library Sneezes
Astrid Lindgren	Fantasy Spell Casting	Magnifying Glass	Right Handed Page Turner	Neon Blue Yarn Hair	Loud Library Sneezes

CLUE 1

The library's magical inventory scanners only show book page counts rounded to the nearest ten. The detective estimates these page counts to unlock the first clue vault.

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

170 900 1100 3000 9000 300 700 290 170 700 200 1100 5000 300 200 170 2900 5000 1100

9000 5000 290 2000 500 1100 30 30 1100 9000 700 290 300 130 2000 290 130 900 170

Round 170 to the nearest ten $\rightarrow$ **T**

Round 159 to the nearest hundred $\rightarrow$

Round 661 to the nearest hundred $\rightarrow$ **D**

Round 2,874 to the nearest hundred $\rightarrow$ **U**

Round 1,148 to the nearest hundred $\rightarrow$ **E**

Round 2,802 to the nearest thousand $\rightarrow$ **B**

Round 28 to the nearest ten $\rightarrow$ **R**

Round 944 to the nearest hundred $\rightarrow$ **H**

Round 1,988 to the nearest thousand $\rightarrow$ **L**

Round 8,657 to the nearest thousand $\rightarrow$ **A**

Round 133 to the nearest ten → **G**

Round 265 to the nearest hundred $\rightarrow$ **N**

Round 474 to the nearest hundred $\rightarrow$

Round 4,728 to the nearest thousand $\rightarrow$ **S**

Round 289 to the nearest ten $\rightarrow$

Scratch space:

CLUE 2

The assistant librarian tallies up the stacks of damaged books recovered from the reading tables. Adding these stack counts together reveals the secret code for the next clue.

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

Diagram illustrating the distribution of 1000 nodes across 1000 buckets. The buckets are arranged in three rows. The first row has 16 buckets, the second row has 16 buckets, and the third row has 4 buckets. The nodes are distributed as follows:

- Row 1: 2495 (1), 4348 (1), 8959 (1), 7973 (1), 4073 (1), 7973 (1), 2146 (1), 8959 (1), 7925 (1), 2495 (1), 2495 (1), 4073 (1), 6384 (1), 9377 (1), 8959 (1), 9640 (1).
- Row 2: 2146 (1), 9791 (1), 8494 (1), 8959 (1), 7973 (1), 4959 (1), 9174 (1), 2495 (1), 4348 (1), 2495 (1), 4348 (1), 8959 (1), 9174 (1), 6384 (1), 6384 (1), 9174 (1), 8494 (1), 4348 (1), 2495 (1).
- Row 3: 4348 (1), 9791 (1), 9377 (1), 9640 (1).

$$1718 + 777 = \boxed{} \rightarrow \boxed{\text{T}}$$

$5532 + 2393 = \square \rightarrow \mathbf{C}$

$3064 + 1895 = \boxed{} \rightarrow \boxed{\text{W}}$

$$5634 + 3325 = \boxed{} \rightarrow \mathbf{E}$$

$$2164 + 1909 = \boxed{} \rightarrow \boxed{\mathbf{U}}$$

$$2879 + 6498 = \boxed{} \rightarrow \boxed{\text{N}}$$

$$6716 + 2924 = \boxed{} \rightarrow \boxed{\text{D}}$$

$$3896 + 2488 = \boxed{} \rightarrow \boxed{\text{R}}$$

$$5974 + 3817 = \boxed{} \rightarrow \boxed{\mathbf{A}}$$

$1251 + 895 = \boxed{} \rightarrow \boxed{\text{P}}$

$2919 + 5054 = \boxed{} \rightarrow \boxed{\text{S}}$

$$4984 + 4190 = \boxed{} \rightarrow \boxed{}$$

$$4811 + 3683 = \boxed{} \rightarrow \mathbf{G}$$

$$1473 + 2875 = \boxed{} \rightarrow \boxed{\text{H}}$$

Scratch space:

CLUE 3
Subtraction

To find where the suspect fled, we must subtract the current count of poetry pamphlets from yesterday's starting total. The missing amount points us in the right direction.

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

T			T									T							
6668	6861	3528	6668	6861	4059	3528	8228	3259	1569	8623	8623	6668	1273	2857	2857	3528	3752		
8265	3882	5619	1273	1020	3752	5619	4059	8265	7233	1569	7233	3882	8623	6787	3528	3528	5636	3528	8623

$10886 - 4218 = \square \rightarrow \text{[T]}$

$7280 - 3221 = \square \rightarrow \text{[I]}$

$5142 - 1260 = \square \rightarrow \text{[Y]}$

$5874 - 238 = \square \rightarrow \text{[Z]}$

$9400 - 777 = \square \rightarrow \text{[S]}$

$1298 - 278 = \square \rightarrow \text{[U]}$

$5416 - 1888 = \square \rightarrow \text{[E]}$

$8773 - 1912 = \square \rightarrow \text{[H]}$

$8321 - 93 = \square \rightarrow \text{[F]}$

$10863 - 2598 = \square \rightarrow \text{[B]}$

$5202 - 1943 = \square \rightarrow \text{[W]}$

$8799 - 1566 = \square \rightarrow \text{[R]}$

$5215 - 2358 = \square \rightarrow \text{[P]}$

$8365 - 2746 = \square \rightarrow \text{[L]}$

$2830 - 1557 = \square \rightarrow \text{[O]}$

$8578 - 1791 = \square \rightarrow \text{[N]}$

$6474 - 2722 = \square \rightarrow \text{[D]}$

$3148 - 1579 = \square \rightarrow \text{[A]}$

Scratch space:

CLUE 4
Multiplication facts (1-12)

The rare books are arranged in equal rows across the wooden shelves. Multiplying the shelves by the books on each shelf calculates the weight on the hidden floor trigger.

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

W														
33	35	64	42	120	96	14	81	121	20	66	8	35	14	
5	60	81	81	35	20	32	60	121	8	60	5	5	32	35
81	27	35	96	35										

$11 \times 3 = \square \rightarrow$ W	$8 \times 8 = \square \rightarrow$ F	$3 \times 9 = \square \rightarrow$ C	
$12 \times 8 = \square \rightarrow$ N	$7 \times 6 = \square \rightarrow$ O	$4 \times 8 = \square \rightarrow$ H	$1 \times 5 = \square \rightarrow$ T
$7 \times 2 = \square \rightarrow$ D	$10 \times 12 = \square \rightarrow$ U	$11 \times 11 = \square \rightarrow$ I	
$11 \times 6 = \square \rightarrow$ K	$8 \times 1 = \square \rightarrow$ R	$5 \times 4 = \square \rightarrow$ L	$5 \times 7 = \square \rightarrow$ E
$10 \times 6 = \square \rightarrow$ A	$9 \times 9 = \square \rightarrow$ S		

Scratch space:

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

We need to divide a box of protective bookmarks equally among the student helpers. Finding how many bookmarks are left over helps us narrow down the final suspect list.

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:

$18 \div 6 = \boxed{}$

$60 \div 10 = \boxed{}$

$18 \div 2 = \boxed{}$

$40 \div 10 = \boxed{}$

$70 \div 10 = \boxed{}$

$36 \div 3 = \boxed{}$

$12 \div 12 = \boxed{}$

$64 \div 8 = \boxed{}$

$55 \div 11 = \boxed{}$

$66 \div 6 = \boxed{}$

$20 \div 2 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain slipped into a portal to the Victorian era, then shined a silver reading light on the safe.
2. The villain cast a sleeping spell over the room, then rewrote the chapter using a quill of truth.
3. The villain searched the detective section for clues, then rewrote the chapter using a quill of truth.
4. The villain activated a neon portal to escape, then splashed everlasting inkwell fluid on the wall.
5. The villain trapped the guard in a cage of rhymes, then marked the scene with a golden bookmark.
6. The villain trapped the guard in a cage of rhymes, then rewrote the chapter using a quill of truth.
7. The villain slipped into a portal to the Victorian era, then marked the scene with a golden bookmark.
8. The villain activated a neon portal to escape, then inspected the dusty pages with a magnifying glass.
9. The villain activated a neon portal to escape, then marked the scene with a golden bookmark.
10. The villain cast a sleeping spell over the room, then inspected the dusty pages with a magnifying glass.
11. The villain slipped into a portal to the Victorian era, then splashed everlasting inkwell fluid on the wall.
12. The villain searched the detective section for clues, then splashed everlasting inkwell fluid on the wall.

Answer Key

The Mystery of the Missing Endings

Culprit: Leo Tolstoy

Fantasy Spell Casting · Quill of Truth · Right Handed Page Turner · Silk Red Tassel Hair · Loud Library Sneezes

Trail: Start 21 → Clue 1 18 → Clue 2 13 → Clue 3 8 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE BANDIT DOES NOT USE A SILVER READING LIGHT"

Round 170 to the nearest ten = 170 (T) · Round 159 to the nearest hundred = 200 (O) · Round 661 to the nearest hundred = 700 (D) · Round 2,874 to the nearest hundred = 2900 (U) · Round 1,148 to the nearest hundred = 1100 (E) · Round 2,802 to the nearest thousand = 3000 (B) · Round 28 to the nearest ten = 30 (R) · Round 944 to the nearest hundred = 900 (H) · Round 1,988 to the nearest thousand = 2000 (L) · Round 8,657 to the nearest thousand = 9000 (A) · Round 133 to the nearest ten = 130 (G) · Round 265 to the nearest hundred = 300 (N) · Round 474 to the nearest hundred = 500 (V) · Round 4,728 to the nearest thousand = 5000 (S) · Round 289 to the nearest ten = 290 (I)

Clue 2 (Addition): "THE SUSPECT TURNED PAGES WITH THEIR RIGHT HAND"

$1718 + 777 = 2495$ (T) · $5532 + 2393 = 7925$ (C) · $3064 + 1895 = 4959$ (W) · $5634 + 3325 = 8959$ (E) · $2164 + 1909 = 4073$ (U) · $2879 + 6498 = 9377$ (N) · $6716 + 2924 = 9640$ (D) · $3896 + 2488 = 6384$ (R) · $5974 + 3817 = 9791$ (A) · $1251 + 895 = 2146$ (P) · $2919 + 5054 = 7973$ (S) · $4984 + 4190 = 9174$ (I) · $4811 + 3683 = 8494$ (G) · $1473 + 2875 = 4348$ (H)

Clue 3 (Subtraction): "THE THIEF WAS STOPPED BY LOUD LIBRARY SNEEZES"

$10886 - 4218 = 6668$ (T) · $7280 - 3221 = 4059$ (I) · $5142 - 1260 = 3882$ (Y) · $5874 - 238 = 5636$ (Z) · $9400 - 777 = 8623$ (S) · $1298 - 278 = 1020$ (U) · $5416 - 1888 = 3528$ (E) · $8773 - 1912 = 6861$ (H) · $8321 - 93 = 8228$ (F) · $10863 - 2598 = 8265$ (B) · $5202 - 1943 = 3259$ (W) · $8799 - 1566 = 7233$ (R) · $5215 - 2358 = 2857$ (P) · $8365 - 2746 = 5619$ (L) · $2830 - 1557 = 1273$ (O) · $8578 - 1791 = 6787$ (N) · $6474 - 2722 = 3752$ (D) · $3148 - 1579 = 1569$ (A)

Clue 4 (Multiplication facts (1-12)): "WE FOUND SILK RED TASSEL HAIR AT THE SCENE"

$11 \times 3 = 33$ (W) · $8 \times 8 = 64$ (F) · $3 \times 9 = 27$ (C) · $12 \times 8 = 96$ (N) · $7 \times 6 = 42$ (O) · $4 \times 8 = 32$ (H) · $1 \times 5 = 5$ (T) · $7 \times 2 = 14$ (D) · $10 \times 12 = 120$ (U) · $11 \times 11 = 121$ (I) · $11 \times 6 = 66$ (K) · $8 \times 1 = 8$ (R) · $5 \times 4 = 20$ (L) · $5 \times 7 = 35$ (E) · $10 \times 6 = 60$ (A) · $9 \times 9 = 81$ (S)

Clue 5 (Division facts (1-12)): surviving statement is box 2 → Leo Tolstoy

$18 \div 6 = 3$ · $60 \div 10 = 6$ · $18 \div 2 = 9$ · $40 \div 10 = 4$ · $70 \div 10 = 7$ · $36 \div 3 = 12$ · $12 \div 12 = 1$ · $64 \div 8 = 8$ · $55 \div 11 = 5$ · $66 \div 6 = 11$ · $20 \div 2 = 10$