



The Mystery of the Fairway Library

Grade 5 math · Fractions of a number, Order of operations, Multiplication, Rounding, Division · Reading level grades 5-6

Detective: _____ Date: _____

A villain has stolen the legendary Golden Golf Tee, which was being used as a bookmark inside a priceless first-edition novel! It is up to you to crack the clues and find the thief before the grand tournament begins.

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 Book Bandit is _____

Possible suspects

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

NAME	GOLF TECHNIQUE	LIBRARY TRICK	STANCE	HAIR AND HEADWEAR	DISTRACTION
Nelly Korda	sand wedge escape	silent turning	right handed grip	visor with brown hair	loud page rustle
Dav Pilkey	laser aim	heavy hardcover throw	right handed grip	cap with blonde hair	loud page rustle
R L Stine	heavy slice	bookmark shield	left handed grip	cap with blonde hair	loud page rustle
Arnold Palmer	heavy slice	bookmark shield	right handed grip	hat with black hair	bright golf ball glow
Roald Dahl	laser aim	heavy hardcover throw	left handed grip	cap with blonde hair	loud page rustle
Beverly Cleary	heavy slice	speed reading	left handed grip	visor with brown hair	bright golf ball glow
Justin Thomas	power drive	book storage bag	right handed grip	visor with brown hair	squeaky golf shoes
Jack Nicklaus	trick putt	silent turning	right handed grip	visor with brown hair	bright golf ball glow
E B White	trick putt	heavy hardcover throw	right handed grip	visor with brown hair	squeaky golf shoes
J K Rowling	trick putt	bookmark shield	left handed grip	hat with black hair	squeaky golf shoes
Lexi Thompson	power drive	book storage bag	right handed grip	cap with blonde hair	loud page rustle
Annika Sorenstam	sand wedge escape	heavy hardcover throw	left handed grip	hat with black hair	squeaky golf shoes
Dr Seuss	laser aim	bookmark shield	left handed grip	hat with black hair	squeaky golf shoes
Tiger Woods	heavy slice	book storage bag	right handed grip	visor with brown hair	bright golf ball glow
Judy Blume	trick putt	bookmark shield	left handed grip	visor with brown hair	bright golf ball glow
Beatrix Potter	sand wedge escape	heavy hardcover throw	left handed grip	visor with brown hair	bright golf ball glow
Rick Riordan	sand wedge escape	silent turning	left handed grip	visor with brown hair	loud page rustle
Jordan Spieth	trick putt	bookmark shield	left handed grip	visor with brown hair	loud page rustle
Lewis Carroll	heavy slice	silent turning	left handed grip	cap with blonde hair	bright golf ball glow
Mary Pope Osborne	sand wedge escape	speed reading	left handed grip	visor with brown hair	bright golf ball glow
Payne Stewart	sand wedge escape	book storage bag	left handed grip	visor with brown hair	bright golf ball glow

CLUE 1

Fractions of a number

The detective finds a torn book list in the golf cart. Only a fraction of the total titles are checked off, revealing the first clue.

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

T									T									T
27	20	3	36	30	33	37	34	27	37	5	3	38	33	5	27			

T															
27	20	16	5	2	20	30	16	37	26	5	7	3	16	38	

$\frac{3}{4}$ of 36 = → T	$\frac{1}{6}$ of 42 = → V	$\frac{2}{4}$ of 66 = → N
$\frac{2}{3}$ of 39 = → C	$\frac{8}{10}$ of 25 = → H	$\frac{4}{8}$ of 76 = → S
$\frac{2}{4}$ of 32 = → R	$\frac{2}{6}$ of 111 = → D	$\frac{1}{6}$ of 30 = → O
$\frac{4}{10}$ of 85 = → I	$\frac{1}{3}$ of 108 = → B	$\frac{4}{6}$ of 45 = → A
$\frac{1}{3}$ of 9 = → E	$\frac{2}{4}$ of 4 = → W	

Scratch space:

CLUE 2
Order of operations

To open the secret scorecard safe, the detective must solve the strict order of buttons to push on the lock.

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

T																	
20	63	74	47	78	73	71	10	55	78	36	43	63	62	67	74	64	55
			T														
56	74	54	20	63	55	24	64	74	64	43	67	73	24	47			

$3 \times 12 - 16 = \square \rightarrow \text{T}$

$42 + 6 \times 2 = \square \rightarrow \text{F}$

$8 \times 11 - 14 = \square \rightarrow \text{E}$

$62 + 4 \times 4 = \square \rightarrow \text{R}$

$32 + 2 \times 2 = \square \rightarrow \text{K}$

$8 + 4 \times 4 = \square \rightarrow \text{N}$

$43 + 8 \times 3 = \square \rightarrow \text{W}$

$7 \times 11 - 13 = \square \rightarrow \text{D}$

$19 + 4 \times 7 = \square \rightarrow \text{G}$

$14 + 8 \times 6 = \square \rightarrow \text{O}$

$31 + 6 \times 4 = \square \rightarrow \text{A}$

$8 \times 10 - 24 = \square \rightarrow \text{L}$

$5 \times 12 - 17 = \square \rightarrow \text{S}$

$9 \times 4 - 26 = \square \rightarrow \text{M}$

$7 \times 10 - 7 = \square \rightarrow \text{H}$

$59 + 2 \times 7 = \square \rightarrow \text{I}$

$10 \times 8 - 9 = \square \rightarrow \text{P}$

Scratch space:

CLUE 3

Multiplication facts (1-12)

We count the neat rows of golf ball boxes stacked on the library shelves, multiplying them to find the total.

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

T													T	T		
50	66	80	54	81	6	55	22	11	80	63	110	50	50	66	80	

					T									
81	84	55	56	66	50	81	110	6	6	56	6	8	44	

$5 \times 10 = \square \rightarrow \boxed{\text{T}}$

$6 \times 1 = \square \rightarrow \boxed{\text{L}}$

$8 \times 7 = \square \rightarrow \boxed{\text{G}}$

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

$11 \times 5 = \square \rightarrow \boxed{\text{I}}$

$7 \times 12 = \square \rightarrow \boxed{\text{R}}$

$11 \times 4 = \square \rightarrow \boxed{\text{W}}$

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

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

$11 \times 10 = \square \rightarrow \boxed{\text{A}}$

$11 \times 1 = \square \rightarrow \boxed{\text{K}}$

$2 \times 4 = \square \rightarrow \boxed{\text{O}}$

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

$6 \times 11 = \square \rightarrow \boxed{\text{H}}$

$6 \times 9 = \square \rightarrow \boxed{\text{Y}}$

Scratch space:

CLUE 4

Rounding

The radar gun on the driving range only displays speeds rounded to the nearest ten, hiding the exact number.

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

W									W									
230	370	500	700	170	130	110	2900	200	700	230	130	5000	90	200	1700	130	110	5000
170	130	110	370	200	1700	1100	430	5000	700	200								

Round 227 to the nearest ten → **W**

Round 1,741 to the nearest hundred → **A**

Round 503 to the nearest hundred → **F**

Round 167 to the nearest ten → **U**

Round 2,919 to the nearest hundred → **B**

Round 129 to the nearest ten → **N**

Round 1,105 to the nearest hundred → **V**

Round 94 to the nearest ten → **T**

Round 109 to the nearest ten → **D**

Round 427 to the nearest ten → **I**

Round 369 to the nearest ten → **E**

Round 4,673 to the nearest thousand → **S**

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

Round 181 to the nearest hundred → **R**

Scratch space:

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

The suspects share a bag of bookmarks equally. Splitting them up tells us exactly who was present.

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:

$44 \div 4 = \boxed{}$

$80 \div 8 = \boxed{}$

$40 \div 8 = \boxed{}$

$35 \div 5 = \boxed{}$

$9 \div 1 = \boxed{}$

$72 \div 9 = \boxed{}$

$8 \div 2 = \boxed{}$

$132 \div 11 = \boxed{}$

$16 \div 8 = \boxed{}$

$12 \div 12 = \boxed{}$

$48 \div 8 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain aims a laser pointer at the bookshelf, then sneaks out with silent page turns.
2. The villain puts a ball into the secret book switch, then chucks a heavy dictionary at the alarm.
3. The villain puts a ball into the secret book switch, then blocks the cameras with a giant bookmark.
4. The villain blasts sand out of a trap onto the rare novels, then sneaks out with silent page turns.
5. The villain blasts sand out of a trap onto the rare novels, then stuffs the stolen volumes into a golf bag.
6. The villain drives a golf ball through the library window, then sneaks out with silent page turns.
7. The villain slices a golf ball into the card catalog, then sneaks out with silent page turns.
8. The villain drives a golf ball through the library window, then blocks the cameras with a giant bookmark.
9. The villain slices a golf ball into the card catalog, then stuffs the stolen volumes into a golf bag.
10. The villain blasts sand out of a trap onto the rare novels, then speed reads the escape map.
11. The villain slices a golf ball into the card catalog, then speed reads the escape map.
12. The villain puts a ball into the secret book switch, then speed reads the escape map.

Answer Key

The Mystery of the Fairway Library

Culprit: Judy Blume

trick putt · bookmark shield · left handed grip · visor with brown hair · bright golf ball glow

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

Clue 1 (Fractions of a number): "THE BANDIT DOES NOT THROW HARDCOVERS"

$\frac{3}{4}$ of 36 = 27 (T) · $\frac{1}{6}$ of 42 = 7 (V) · $\frac{2}{4}$ of 66 = 33 (N) · $\frac{2}{3}$ of 39 = 26 (C) · $\frac{8}{10}$ of 25 = 20 (H) · $\frac{4}{8}$ of 76 = 38 (S) · $\frac{2}{4}$ of 32 = 16 (R) · $\frac{2}{6}$ of 111 = 37 (D) · $\frac{1}{6}$ of 30 = 5 (O) · $\frac{4}{10}$ of 85 = 34 (I) · $\frac{1}{3}$ of 108 = 36 (B) · $\frac{4}{6}$ of 45 = 30 (A) · $\frac{1}{3}$ of 9 = 3 (E) · $\frac{2}{4}$ of 4 = 2 (W)

Clue 2 (Order of operations): "THE GRIP MARK SHOWED A LEFT HANDED SWING"

$3 \times 12 - 16 = 20$ (T) · $42 \div 6 \times 2 = 54$ (F) · $8 \times 11 - 14 = 74$ (E) · $62 \div 4 \times 4 = 78$ (R) · $32 \div 2 \times 2 = 36$ (K) · $8 \div 4 \times 4 = 24$ (N) · $43 \div 8 \times 3 = 67$ (W) · $7 \times 11 - 13 = 64$ (D) · $19 \div 4 \times 7 = 47$ (G) · $14 \div 8 \times 6 = 62$ (O) · $31 \div 6 \times 4 = 55$ (A) · $8 \times 10 - 24 = 56$ (L) · $5 \times 12 - 17 = 43$ (S) · $9 \times 4 - 26 = 10$ (M) · $7 \times 10 - 7 = 63$ (H) · $59 \div 2 \times 7 = 73$ (I) · $10 \times 8 - 9 = 71$ (P)

Clue 3 (Multiplication facts (1-12)): "THEY BLINKED AT THE BRIGHT BALL GLOW"

$5 \times 10 = 50$ (T) · $6 \times 1 = 6$ (L) · $8 \times 7 = 56$ (G) · $8 \times 10 = 80$ (E) · $11 \times 5 = 55$ (I) · $7 \times 12 = 84$ (R) · $11 \times 4 = 44$ (W) · $7 \times 9 = 63$ (D) · $11 \times 2 = 22$ (N) · $11 \times 10 = 110$ (A) · $11 \times 1 = 11$ (K) · $2 \times 4 = 8$ (O) · $9 \times 9 = 81$ (B) · $6 \times 11 = 66$ (H) · $6 \times 9 = 54$ (Y)

Clue 4 (Rounding): "WE FOUND BROWN STRANDS UNDER A VISOR"

Round 227 to the nearest ten = 230 (W) · Round 1,741 to the nearest hundred = 1700 (A) · Round 503 to the nearest hundred = 500 (F) · Round 167 to the nearest ten = 170 (U) · Round 2,919 to the nearest hundred = 2900 (B) · Round 129 to the nearest ten = 130 (N) · Round 1,105 to the nearest hundred = 1100 (V) · Round 94 to the nearest ten = 90 (T) · Round 109 to the nearest ten = 110 (D) · Round 427 to the nearest ten = 430 (I) · Round 369 to the nearest ten = 370 (E) · Round 4,673 to the nearest thousand = 5000 (S) · Round 682 to the nearest hundred = 700 (O) · Round 181 to the nearest hundred = 200 (R)

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

$44 \div 4 = 11$ · $80 \div 8 = 10$ · $40 \div 8 = 5$ · $35 \div 5 = 7$ · $9 \div 1 = 9$ · $72 \div 9 = 8$ · $8 \div 2 = 4$ · $132 \div 11 = 12$ · $16 \div 8 = 2$ · $12 \div 12 = 1$ · $48 \div 8 = 6$