The Secret of Roanoke Island

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

Detective: _____ **Date:** _____

Governor John White has returned to Roanoke Island, but the colony's master map is missing from the fort! Someone left hidden carved clues and snuck into the coastal fog. Help the settlement solve the mystery and identify the shadowy rogue!

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 shadowy rogue is _____

Possible suspects

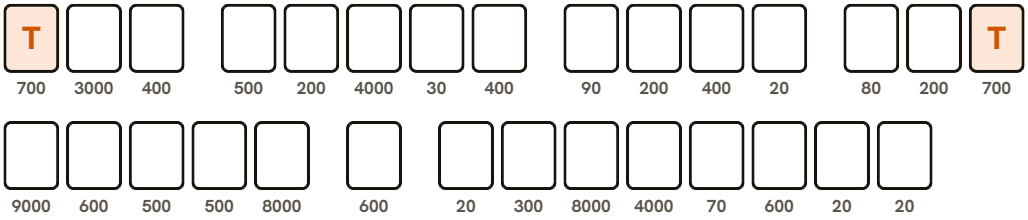
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	SPECIALTY SKILL	SCOUTING TOOL	STANCE	FEATHER COLOR	DISTRACTION
John Sampson	Reading Maps	Iron Key	Right Handed	Brown Feather	Fresh Bread
Manteo	Carving Trees	Pocket Sundial	Right Handed	Black Feather	Bright Flash
George Howe	Carving Trees	Spyglass	Right Handed	Brown Feather	Bright Flash
Jane Jones	Tracking Footprints	Brass Compass	Left Handed	Brown Feather	Bright Flash
Thomas Stevens	Rigging Sails	Leather Journal	Right Handed	Brown Feather	Bright Flash
Robert Hole	Reading Maps	Spyglass	Right Handed	Brown Feather	Bright Flash
James Platt	Carving Trees	Leather Journal	Right Handed	Brown Feather	Bright Flash
Thomas Smart	Signaling Lanterns	Spyglass	Left Handed	Grey Feather	Bright Flash
Eleanor Dare	Carving Trees	Spyglass	Left Handed	Grey Feather	Bright Flash
Simon Fernandes	Tracking Footprints	Pocket Sundial	Right Handed	Grey Feather	Bright Flash
Margaret Lawrence	Rigging Sails	Leather Journal	Left Handed	Black Feather	Sea Shanty
Joyce Archard	Reading Maps	Pocket Sundial	Left Handed	Black Feather	Bright Flash
Elizabeth Viccars	Carving Trees	Pocket Sundial	Right Handed	Brown Feather	Bright Flash
Ananias Dare	Carving Trees	Spyglass	Left Handed	Grey Feather	Sea Shanty
Roger Prat	Reading Maps	Leather Journal	Right Handed	Grey Feather	Sea Shanty
Cuthbert Howe	Signaling Lanterns	Brass Compass	Right Handed	Grey Feather	Sea Shanty
Richard Berry	Rigging Sails	Spyglass	Left Handed	Grey Feather	Fresh Bread
Wanchese	Reading Maps	Leather Journal	Right Handed	Grey Feather	Fresh Bread
Dionyse Harvie	Rigging Sails	Pocket Sundial	Right Handed	Black Feather	Bright Flash
Alice Chapman	Reading Maps	Pocket Sundial	Right Handed	Black Feather	Bright Flash
John White	Tracking Footprints	Iron Key	Right Handed	Brown Feather	Bright Flash

CLUE 1 Rounding

Governor White reads a weather log where all tide levels were rounded to the nearest ten feet.

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



Round 706 to the nearest hundred ☐ → **T**

Round 601 to the nearest hundred ☐ → **A**

Round 8,851 to the nearest thousand ☐ → **C**

Round 292 to the nearest hundred ☐ → **P**

Round 214 to the nearest hundred ☐ → **O**

Round 82 to the nearest ten ☐ → **N**

Round 29 to the nearest ten ☐ → **U**

Round 72 to the nearest ten ☐ → **L**

Round 474 to the nearest hundred ☐ → **R**

Round 19 to the nearest ten ☐ → **S**

Round 86 to the nearest ten ☐ → **D**

Round 4,253 to the nearest thousand ☐ → **G**

Round 8,227 to the nearest thousand ☐ → **Y**

Round 375 to the nearest hundred ☐ → **E**

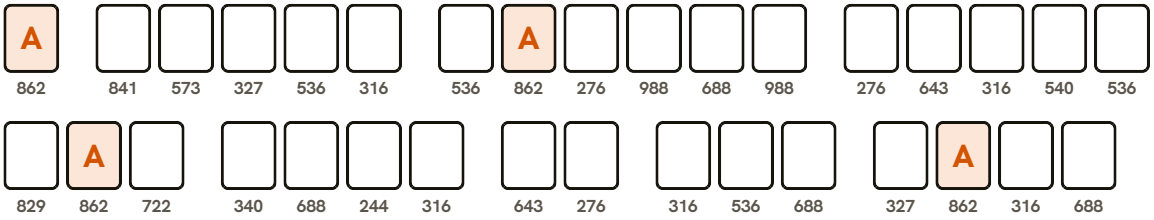
Round 3,252 to the nearest thousand ☐ → **H**

Scratch space:

CLUE 2 Addition

> The settlers count extra timber logs brought to repair the outer palisade wall.

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



564 + 298 = ☐ → A

325 + 663 = ☐ → D

529 + 312 = ☐ → R

283 + 253 = ☐ → H

378 + 451 = ☐ → W

326 + 396 = ☐ → S

150 + 190 = ☐ → L

342 + 301 = ☐ → O

465 + 223 = ☐ → E

120 + 156 = ☐ → N

93 + 151 = ☐ → F

126 + 201 = ☐ → G

341 + 232 = ☐ → I

370 + 170 = ☐ → C

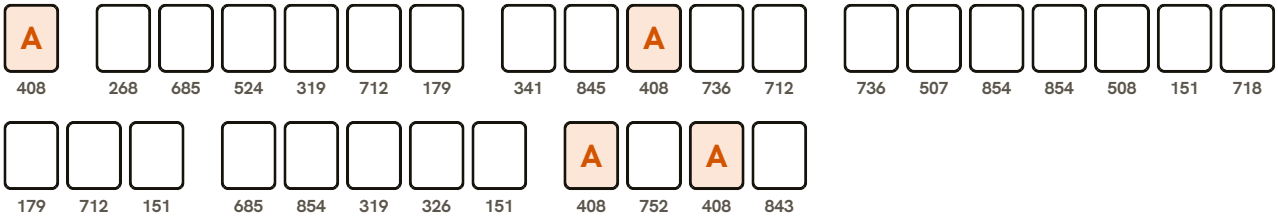
204 + 112 = ☐ → T

Scratch space:

CLUE 3 Subtraction

The lookout calculates how many food barrels remain after subtracting what was used.

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



478 - 70 = ☐ → A

354 - 203 = ☐ → E

776 - 252 = ☐ → I

1110 - 267 = ☐ → Y

1022 - 168 = ☐ → O

978 - 293 = ☐ → R

1037 - 285 = ☐ → W

724 - 6 = ☐ → D

621 - 280 = ☐ → F

325 - 6 = ☐ → G

740 - 28 = ☐ → H

975 - 130 = ☐ → L

264 - 85 = ☐ → T

536 - 268 = ☐ → B

891 - 384 = ☐ → P

750 - 14 = ☐ → S

891 - 383 = ☐ → K

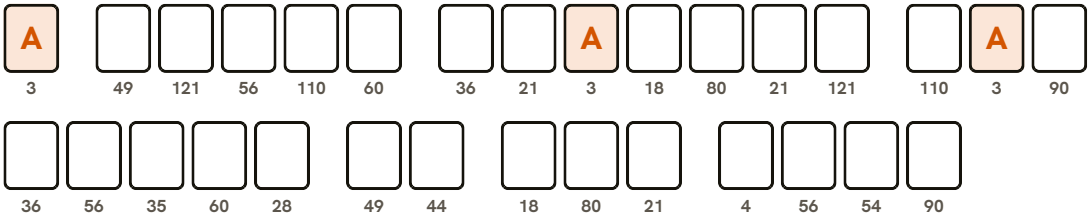
583 - 257 = ☐ → U

Scratch space:

CLUE 4 Multiplication facts (1-12)

The carpenter counts the total nails stored in equal boxes along the dock.

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



3 × 1 = ☐ → A

9 × 10 = ☐ → S

6 × 6 = ☐ → F

5 × 7 = ☐ → U

7 × 4 = ☐ → D

6 × 9 = ☐ → G

7 × 3 = ☐ → E

11 × 11 = ☐ → R

6 × 3 = ☐ → T

11 × 10 = ☐ → W

7 × 7 = ☐ → B

4 × 11 = ☐ → Y

4 × 1 = ☐ → L

8 × 10 = ☐ → H

7 × 8 = ☐ → O

6 × 10 = ☐ → N

Scratch space:

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

> The crew divides a fresh batch of hardtack biscuits equally among the watch guards.

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:

120 ÷ 10 = ☐	120 ÷ 12 = ☐	12 ÷ 4 = ☐	24 ÷ 4 = ☐	40 ÷ 10 = ☐
54 ÷ 6 = ☐	9 ÷ 9 = ☐	8 ÷ 4 = ☐	16 ÷ 2 = ☐	77 ÷ 7 = ☐
14 ÷ 2 = ☐				

Step 2 - cross out the sentence with each answer:

1. The villain swung a lantern from the watchtower, then unlocked the chest with an iron key.
2. The villain swung a lantern from the watchtower, then read the pocket sundial.
3. The villain followed tracks across the sandy shore, then unlocked the chest with an iron key.
4. The villain followed tracks across the sandy shore, then checked the brass compass.
5. The villain carved marks into the tree trunk, then read the pocket sundial.
6. The villain swung a lantern from the watchtower, then scribbled notes in the leather journal.
7. The villain hid the map inside a hollow log, then scribbled notes in the leather journal.
8. The villain followed tracks across the sandy shore, then read the pocket sundial.
9. The villain followed tracks across the sandy shore, then looked through the spyglass.
10. The villain untied the ropes on the harbor sailboat, then scribbled notes in the leather journal.
11. The villain untied the ropes on the harbor sailboat, then read the pocket sundial.
12. The villain carved marks into the tree trunk, then scribbled notes in the leather journal.

TEACHER / PARENT

Answer Key

The Secret of Roanoke Island

Culprit: Elizabeth Viccars

Carving Trees · Pocket Sundial · Right Handed · Brown Feather · Bright Flash

Trail: Start 21 → Clue 1 15 → Clue 2 12 → Clue 3 8 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE ROGUE DOES NOT CARRY A SPYGLASS"

Round 706 to the nearest hundred = 700 (T) · Round 601 to the nearest hundred = 600 (A) · Round 8,851 to the nearest thousand = 9000 (C) · Round 292 to the nearest hundred = 300 (P) · Round 214 to the nearest hundred = 200 (O) · Round 82 to the nearest ten = 80 (N) · Round 29 to the nearest ten = 30 (U) · Round 72 to the nearest ten = 70 (L) · Round 474 to the nearest hundred = 500 (R) · Round 19 to the nearest ten = 20 (S) · Round 86 to the nearest ten = 90 (D) · Round 4,253 to the nearest thousand = 4000 (G) · Round 8,227 to the nearest thousand = 8000 (Y) · Round 375 to the nearest hundred = 400 (E) · Round 3,252 to the nearest thousand = 3000 (H)

Clue 2 (Addition): "A RIGHT HANDED NOTCH WAS LEFT ON THE GATE"

564 + 298 = 862 (A) · 325 + 663 = 988 (D) · 529 + 312 = 841 (R) · 283 + 253 = 536 (H) · 378 + 451 = 829 (W) · 326 + 396 = 722 (S) · 150 + 190 = 340 (L) · 342 + 301 = 643 (O) · 465 + 223 = 688 (E) · 120 + 156 = 276 (N) · 93 + 151 = 244 (F) · 126 + 201 = 327 (G) · 341 + 232 = 573 (I) · 370 + 170 = 540 (C) · 204 + 112 = 316 (T)

Clue 3 (Subtraction): "A BRIGHT FLASH SPOOKED THE ROGUE AWAY"

478 - 70 = 408 (A) · 354 - 203 = 151 (E) · 776 - 252 = 524 (I) · 1110 - 267 = 843 (Y) · 1022 - 168 = 854 (O) · 978 - 293 = 685 (R) · 1037 - 285 = 752 (W) · 724 - 6 = 718 (D) · 621 - 280 = 341 (F) · 325 - 6 = 319 (G) · 740 - 28 = 712 (H) · 975 - 130 = 845 (L) · 264 - 85 = 179 (T) · 536 - 268 = 268 (B) · 891 - 384 = 507 (P) · 750 - 14 = 736 (S) · 891 - 383 = 508 (K) · 583 - 257 = 326 (U)

Clue 4 (Multiplication facts (1-12)): "A BROWN FEATHER WAS FOUND BY THE LOGS"

3 × 1 = 3 (A) · 9 × 10 = 90 (S) · 6 × 6 = 36 (F) · 5 × 7 = 35 (U) · 7 × 4 = 28 (D) · 6 × 9 = 54 (G) · 7 × 3 = 21 (E) · 11 × 11 = 121 (R) · 6 × 3 = 18 (T) · 11 × 10 = 110 (W) · 7 × 7 = 49 (B) · 4 × 11 = 44 (Y) · 4 × 1 = 4 (L) · 8 × 10 = 80 (H) · 7 × 8 = 56 (O) · 6 × 10 = 60 (N)

Clue 5 (Division facts (1-12)): surviving statement is box 5 → Elizabeth Viccars

120 ÷ 10 = 12 · 120 ÷ 12 = 10 · 12 ÷ 4 = 3 · 24 ÷ 4 = 6 · 40 ÷ 10 = 4 · 54 ÷ 6 = 9 · 9 ÷ 9 = 1 · 8 ÷ 4 = 2 · 16 ÷ 2 = 8 · 77 ÷ 7 = 11 · 14 ÷ 2 = 7