



The Case of the Golden Lure Heist

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

Detective: _____ Date: _____

The shiny Golden Bass Trophy Lure was swiped right off the main dock before weigh-in! Solve the clues to catch the sneaky angler responsible.

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 Lure Snatcher is _____

Possible suspects

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

NAME	SIGNATURE BAIT	BOAT TYPE	CASTING HAND	CAP COLOR	FISHING SNAG
Jacob Wheeler	crankbait	jet boat	right handed caster	neon yellow cap	stuck anchor
Jimmy Houston	plastic worm	pontoon	right handed caster	neon yellow cap	tangled line
Sammy Creek	spinnerbait	aluminum bass boat	right handed caster	camo cap	tangled line
Daisy Reed	crankbait	pontoon	right handed caster	bright red cap	broken reel
KVD Turner	heavy jig	jet boat	left handed caster	camo cap	broken reel
Molly Vance	crankbait	pontoon	right handed caster	bright red cap	tangled line
Edwin Evers	plastic worm	pontoon	left handed caster	camo cap	broken reel
Kevin VanDam	spinnerbait	kayak	left handed caster	bright red cap	broken reel
Bill Dance	spinnerbait	fiberglass boat	right handed caster	neon yellow cap	stuck anchor
Jordan Lee	spinnerbait	kayak	right handed caster	bright red cap	broken reel
Toby Marsh	plastic worm	jet boat	right handed caster	bright red cap	tangled line
Rick Clunn	plastic worm	fiberglass boat	right handed caster	camo cap	tangled line
Hank Parker	topwater frog	fiberglass boat	left handed caster	neon yellow cap	stuck anchor
Ike Mercer	plastic worm	aluminum bass boat	right handed caster	neon yellow cap	stuck anchor
Roland Martin	crankbait	fiberglass boat	right handed caster	camo cap	stuck anchor
Gerald Swindle	topwater frog	aluminum bass boat	right handed caster	neon yellow cap	broken reel
Seth Feider	topwater frog	kayak	left handed caster	neon yellow cap	broken reel
Brandon Palaniuk	spinnerbait	jet boat	right handed caster	neon yellow cap	stuck anchor
Skeet Reese	heavy jig	kayak	right handed caster	neon yellow cap	stuck anchor
Bella Brooks	heavy jig	jet boat	right handed caster	bright red cap	broken reel
Ott DeFoe	plastic worm	pontoon	right handed caster	bright red cap	tangled line

CLUE 1 Addition

You tally up the extra tackle boxes found near the judge's stand to gather your first hint.

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




















9093 6692 5422 6854 2920 2803 2803 8595 2920 5869 5117 7304 5422 5892 5869 7304 9093











9009 5892 5422 8595 4047 8595 5456 8595 4047

$$3428 + 5665 = \boxed{} \rightarrow \boxed{\text{T}}$$

$$1448 + 1355 = \boxed{} \rightarrow \boxed{\text{L}}$$

$$2821 + 1226 = \boxed{} \rightarrow \boxed{\text{K}}$$

$$3050 + 2406 = \boxed{} \rightarrow \boxed{\text{Y}}$$

$3324 + 2568 = \boxed{} \rightarrow \boxed{\text{S}}$

$$3030 + 5979 = \boxed{} \rightarrow \boxed{\text{U}}$$

$$3579 + 3113 = \boxed{} \rightarrow \boxed{\text{H}}$$

$$1796 + 3626 = \boxed{} \rightarrow \boxed{\text{E}}$$

$$4104 + 1765 = \boxed{} \rightarrow \boxed{\text{N}}$$

$$2211 + 5093 = \boxed{} \rightarrow \boxed{0}$$

$$2242 + 4612 = \boxed{} \rightarrow \boxed{\mathbf{V}}$$

$$3457 + 1660 = \boxed{} \rightarrow \boxed{\text{D}}$$

$$1116 + 1804 = \boxed{} \rightarrow \boxed{\text{I}}$$

$$5551 + 3044 = \boxed{} \rightarrow \boxed{\mathbf{A}}$$

Scratch space:

CLUE 2

Rounding

The boat launch sonar screen rounds all boat speeds to the nearest ten to give a quick readout.

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

T										T										T
2300	20	5000	1100	7000	1100	3700	5000	700	2300	200	430	1100	430	130	900	300	20	2300		
20	430	50	290	5000	290	700	430	1100	2300	5000	130									

Round 2,260 to the nearest hundred → **T**

Round 1,053 to the nearest hundred → **S**

Round 913 to the nearest hundred → **I**

Round 652 to the nearest hundred → **C**

Round 3,717 to the nearest hundred → **P**

Round 7,492 to the nearest thousand → **U**

Round 293 to the nearest ten → **D**

Round 320 to the nearest hundred → **G**

Round 133 to the nearest ten → **R**

Round 426 to the nearest ten → **A**

Round 48 to the nearest ten → **N**

Round 5,370 to the nearest thousand → **E**

Round 205 to the nearest hundred → **W**

Round 16 to the nearest ten → **H**

Scratch space:

Subtraction

You compare the total number of lure hooks in the case before and after the heist.

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

4869 2615 3153 3600 7441 7000 7000 4252 7441 4779 7425 4252 4066 4066 4869 7849 2725 2725 3153 5589

1188 1227 4252 4066 4869 5881 5964 4708 4252 4779 5964 2615 7849 7141

9537 - 4668 = → **T**

$$7422 - 1541 = \boxed{} \rightarrow \boxed{\text{U}}$$

$$4417 - 817 = \boxed{} \rightarrow \boxed{\mathbf{v}}$$

$$11000 - 3151 = \boxed{} \rightarrow \boxed{0}$$

$$3241 - 2053 = \boxed{} \rightarrow \boxed{\mathbf{B}}$$

$$5954 - 1888 = \boxed{} \rightarrow \boxed{\text{S}}$$

$10085 - 2644 = \boxed{} \rightarrow \boxed{I}$

$3294 - 2067 = \boxed{} \rightarrow \boxed{\text{Y}}$

$4053 - 900 = \boxed{} \rightarrow \boxed{\text{E}}$

$7457 - 32 = \boxed{} \rightarrow \boxed{\text{W}}$

$10608 - 3467 = \boxed{} \rightarrow \boxed{\text{R}}$

9482 - 3518 = → **C**

7191 - 4466 = → **P**

$9988 - 4399 = \boxed{} \rightarrow \boxed{\text{D}}$

$$4565 - 1950 = \boxed{} \rightarrow \boxed{\text{H}}$$

$$9128 - 4420 = \boxed{} \rightarrow \boxed{\text{K}}$$

$$10967 - 3967 = \boxed{} \rightarrow \boxed{\text{L}}$$

$$8377 - 3598 = \boxed{} \rightarrow \boxed{\text{N}}$$

$$5729 - 1477 = \boxed{} \rightarrow \boxed{\text{A}}$$

Scratch space:

CLUE 4

Multiplication facts (1-12)

You calculate the total bass lures stored in equal rows inside the mystery locker.

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

T							T												
10	66	21	84	96	2	10	81	66	21	32	5	32	15	64	64	21	5	2	

96	21	15	96	108	21	6	6	15	77	81	2	64		

$2 \times 5 = \square \rightarrow \boxed{\text{T}}$

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

$7 \times 11 = \square \rightarrow \boxed{\text{W}}$

$3 \times 5 = \square \rightarrow \boxed{\text{O}}$

$2 \times 1 = \square \rightarrow \boxed{\text{A}}$

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

$12 \times 8 = \square \rightarrow \boxed{\text{N}}$

$3 \times 7 = \square \rightarrow \boxed{\text{E}}$

$1 \times 5 = \square \rightarrow \boxed{\text{D}}$

$8 \times 8 = \square \rightarrow \boxed{\text{P}}$

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

$12 \times 9 = \square \rightarrow \boxed{\text{Y}}$

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

$4 \times 8 = \square \rightarrow \boxed{\text{R}}$

Scratch space:

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

You share the remaining fish measuring scales equally among the junior marshals.

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:

$108 \div 9 = \boxed{}$

$56 \div 7 = \boxed{}$

$30 \div 5 = \boxed{}$

$16 \div 8 = \boxed{}$

$28 \div 4 = \boxed{}$

$1 \div 1 = \boxed{}$

$50 \div 5 = \boxed{}$

$63 \div 7 = \boxed{}$

$12 \div 3 = \boxed{}$

$12 \div 4 = \boxed{}$

$40 \div 8 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain popped a rubber topwater frog, then sped off in an aluminum bass boat.
2. The villain flashed a noisy spinnerbait, then chugged away on a pontoon boat.
3. The villain rigged a green plastic worm, then chugged away on a pontoon boat.
4. The villain pitched a heavy black jig, then paddled off in a stealth kayak.
5. The villain cast a shiny crankbait, then sped off in an aluminum bass boat.
6. The villain flashed a noisy spinnerbait, then roared away in a fiberglass boat.
7. The villain popped a rubber topwater frog, then zipped off in a jet boat.
8. The villain rigged a green plastic worm, then sped off in an aluminum bass boat.
9. The villain popped a rubber topwater frog, then chugged away on a pontoon boat.
10. The villain pitched a heavy black jig, then roared away in a fiberglass boat.
11. The villain flashed a noisy spinnerbait, then zipped off in a jet boat.
12. The villain cast a shiny crankbait, then zipped off in a jet boat.

Answer Key

The Case of the Golden Lure Heist

Culprit: Brandon Palaniuk

spinnerbait · jet boat · right handed caster · neon yellow cap · stuck anchor

Trail: Start 21 → Clue 1 17 → Clue 2 14 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE VILLAIN DOES NOT USE A KAYAK"

$3428 + 5665 = 9093$ (T) · $1448 + 1355 = 2803$ (L) · $2821 + 1226 = 4047$ (K) · $3050 + 2406 = 5456$ (Y) · $3324 + 2568 = 5892$ (S) · $3030 + 5979 = 9009$ (U) · $3579 + 3113 = 6692$ (H) · $1796 + 3626 = 5422$ (E) · $4104 + 1765 = 5869$ (N) · $2211 + 5093 = 7304$ (O) · $2242 + 4612 = 6854$ (V) · $3457 + 1660 = 5117$ (D) · $1116 + 1804 = 2920$ (I) · $5551 + 3044 = 8595$ (A)

Clue 2 (Rounding): "THE SUSPECT WAS A RIGHT HANDED CASTER"

Round 2,260 to the nearest hundred = 2300 (T) · Round 1,053 to the nearest hundred = 1100 (S) · Round 913 to the nearest hundred = 900 (I) · Round 652 to the nearest hundred = 700 (C) · Round 3,717 to the nearest hundred = 3700 (P) · Round 7,492 to the nearest thousand = 7000 (U) · Round 293 to the nearest ten = 290 (D) · Round 320 to the nearest hundred = 300 (G) · Round 133 to the nearest ten = 130 (R) · Round 426 to the nearest ten = 430 (A) · Round 48 to the nearest ten = 50 (N) · Round 5,370 to the nearest thousand = 5000 (E) · Round 205 to the nearest hundred = 200 (W) · Round 16 to the nearest ten = 20 (H)

Clue 3 (Subtraction): "THE VILLAIN WAS STOPPED BY A STUCK ANCHOR"

$9537 - 4668 = 4869$ (T) · $7422 - 1541 = 5881$ (U) · $4417 - 817 = 3600$ (V) · $11000 - 3151 = 7849$ (O) · $3241 - 2053 = 1188$ (B) · $5954 - 1888 = 4066$ (S) · $10085 - 2644 = 7441$ (I) · $3294 - 2067 = 1227$ (Y) · $4053 - 900 = 3153$ (E) · $7457 - 32 = 7425$ (W) · $10608 - 3467 = 7141$ (R) · $9482 - 3518 = 5964$ (C) · $7191 - 4466 = 2725$ (P) · $9988 - 4399 = 5589$ (D) · $4565 - 1950 = 2615$ (H) · $9128 - 4420 = 4708$ (K) · $10967 - 3967 = 7000$ (L) · $8377 - 3598 = 4779$ (N) · $5729 - 1477 = 4252$ (A)

Clue 4 (Multiplication facts (1-12)): "THE SNATCHER DROPPED A NEON YELLOW CAP"

$2 \times 5 = 10$ (T) · $6 \times 11 = 66$ (H) · $7 \times 11 = 77$ (W) · $3 \times 5 = 15$ (O) · $2 \times 1 = 2$ (A) · $12 \times 7 = 84$ (S) · $12 \times 8 = 96$ (N) · $3 \times 7 = 21$ (E) · $1 \times 5 = 5$ (D) · $8 \times 8 = 64$ (P) · $1 \times 6 = 6$ (L) · $12 \times 9 = 108$ (Y) · $9 \times 9 = 81$ (C) · $4 \times 8 = 32$ (R)

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

$108 \div 9 = 12$ · $56 \div 7 = 8$ · $30 \div 5 = 6$ · $16 \div 8 = 2$ · $28 \div 4 = 7$ · $1 \div 1 = 1$ · $50 \div 5 = 10$ · $63 \div 7 = 9$ · $12 \div 3 = 4$ · $12 \div 4 = 3$ · $40 \div 8 = 5$