



The Grand Lake Trophy Snatch

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

Detective: _____ **Date:** _____

Just before the final weigh-in at Grand Lake, someone snuck into the official weigh station and snatched the Golden Bass Trophy! The dock master saw a shadowy figure slip away into the morning mist. Detective, study the clues and catch the thief before the award ceremony starts!

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 Dock 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 LURE	ESCAPE BOAT	CASTING STYLE	HAT STYLE	LURE SCENT
Angler Amy	Deep Crankbait	Pedal Kayak	RIGHT HANDED CAST	GREEN BUCKET HAT	SHAD OIL DIP
Jimmy Houston	Heavy Flippin Jig	Aluminum Jon Boat	RIGHT HANDED CAST	BLUE TRUCKER CAP	ANISE LURE SPRAY
River Rose	Flash Spinnerbait	Pedal Kayak	RIGHT HANDED CAST	GREEN BUCKET HAT	ANISE LURE SPRAY
Ike Iaconelli	Plastic Worm	Sleek Bass Boat	RIGHT HANDED CAST	GREEN BUCKET HAT	SHAD OIL DIP
Jacob Wheeler	Plastic Worm	Inflatable Canoe	RIGHT HANDED CAST	GREEN BUCKET HAT	SHAD OIL DIP
Pickrel Pete	Topwater Frog	Sleek Bass Boat	RIGHT HANDED CAST	GREEN BUCKET HAT	GARLIC ATTRACTANT
Mercer Vance	Plastic Worm	Electric Pontoon	LEFT HANDED CAST	RED CAMO VISOR	GARLIC ATTRACTANT
Lunker Luke	Flash Spinnerbait	Aluminum Jon Boat	RIGHT HANDED CAST	GREEN BUCKET HAT	SHAD OIL DIP
Hank Parker	Heavy Flippin Jig	Sleek Bass Boat	LEFT HANDED CAST	GREEN BUCKET HAT	ANISE LURE SPRAY
Reel Rachel	Plastic Worm	Aluminum Jon Boat	LEFT HANDED CAST	BLUE TRUCKER CAP	GARLIC ATTRACTANT
Ott DeFoe	Heavy Flippin Jig	Sleek Bass Boat	RIGHT HANDED CAST	RED CAMO VISOR	GARLIC ATTRACTANT
Marina Max	Plastic Worm	Pedal Kayak	LEFT HANDED CAST	BLUE TRUCKER CAP	SHAD OIL DIP
Kevin VanDam	Topwater Frog	Sleek Bass Boat	RIGHT HANDED CAST	BLUE TRUCKER CAP	ANISE LURE SPRAY
Fisher Finn	Heavy Flippin Jig	Electric Pontoon	LEFT HANDED CAST	GREEN BUCKET HAT	ANISE LURE SPRAY
Skeet Reese	Topwater Frog	Inflatable Canoe	RIGHT HANDED CAST	GREEN BUCKET HAT	SHAD OIL DIP
Captain Cody	Heavy Flippin Jig	Aluminum Jon Boat	LEFT HANDED CAST	BLUE TRUCKER CAP	GARLIC ATTRACTANT
Sam Rayburn	Flash Spinnerbait	Pedal Kayak	LEFT HANDED CAST	GREEN BUCKET HAT	SHAD OIL DIP
Dockside Daisy	Plastic Worm	Sleek Bass Boat	RIGHT HANDED CAST	BLUE TRUCKER CAP	GARLIC ATTRACTANT
Roland Martin	Plastic Worm	Aluminum Jon Boat	RIGHT HANDED CAST	RED CAMO VISOR	GARLIC ATTRACTANT
Tackle Tim	Deep Crankbait	Sleek Bass Boat	RIGHT HANDED CAST	RED CAMO VISOR	ANISE LURE SPRAY
Bill Dance	Topwater Frog	Sleek Bass Boat	RIGHT HANDED CAST	RED CAMO VISOR	SHAD OIL DIP

CLUE 1 Addition

The judge tallies the total number of lure boxes found at the dock to reveal the first evidence.

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

T								T							T
3016	3065	9804	6259	4219	2725	7988	5052	3016	7988	5052	7988	2725	3571	3016	

															T
9804	7019	4046	4219	9093	9804	5052	2725	4219	3005	3571	2725	6259	3571	4219	3016

$1192 + 1824 = \boxed{} \rightarrow \boxed{\text{T}}$

$2656 + 1563 = \boxed{} \rightarrow \boxed{\text{A}}$

$5014 + 4790 = \boxed{} \rightarrow \boxed{\text{E}}$

$2726 + 5262 = \boxed{} \rightarrow \boxed{\text{D}}$

$2466 + 4553 = \boxed{} \rightarrow \boxed{\text{S}}$

$1288 + 1717 = \boxed{} \rightarrow \boxed{\text{J}}$

$1731 + 1840 = \boxed{} \rightarrow \boxed{\text{O}}$

$907 + 1818 = \boxed{} \rightarrow \boxed{\text{N}}$

$3361 + 1691 = \boxed{} \rightarrow \boxed{\text{I}}$

$5720 + 3373 = \boxed{} \rightarrow \boxed{\text{P}}$

$2813 + 1233 = \boxed{} \rightarrow \boxed{\text{C}}$

$1884 + 1181 = \boxed{} \rightarrow \boxed{\text{H}}$

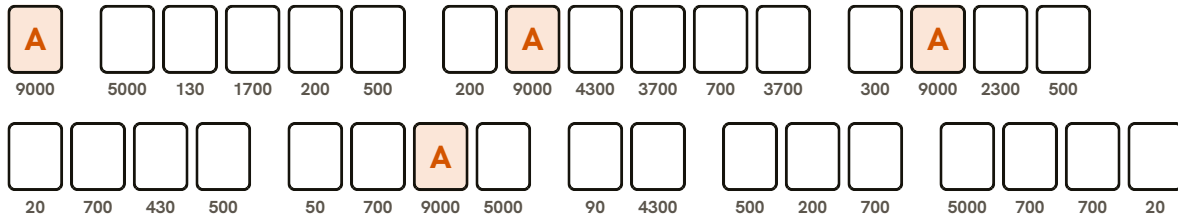
$2863 + 3396 = \boxed{} \rightarrow \boxed{\text{B}}$

Scratch space:

CLUE 2 Rounding

The scale readout rounds the total catch weight to the nearest ten pounds to give a second hint.

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



Round 9,239 to the nearest thousand → **A**

Round 265 to the nearest hundred → **C**

Round 48 to the nearest ten → **W**

Round 5,347 to the nearest thousand → **R**

Round 430 to the nearest ten → **F**

Round 3,699 to the nearest hundred → **D**

Round 4,312 to the nearest hundred → **N**

Round 1,689 to the nearest hundred → **G**

Round 505 to the nearest hundred → **T**

Round 741 to the nearest hundred → **E**

Round 2,254 to the nearest hundred → **S**

Round 24 to the nearest ten → **L**

Round 128 to the nearest ten → **I**

Round 90 to the nearest ten → **O**

Round 203 to the nearest hundred → **H**

Scratch space:

CLUE 3
Subtraction

We subtract the damaged fishing poles from the rack inventory to uncover the third suspect clue.

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

T																	
6918	5005	7178	7507	8802	6779	7533	8046	8561	8370	8370	3672	5167	8561	8370	5005	7178	7507

		T												
8046	1037	6918	5005	8370	5005	8561	7507	8802	1037	5167	7507	1037	3672	

$9805 - 2887 = \square \rightarrow \boxed{\text{T}}$

$6177 - 2505 = \square \rightarrow \boxed{\text{P}}$

$9595 - 2088 = \square \rightarrow \boxed{\text{D}}$

$10140 - 1338 = \square \rightarrow \boxed{\text{O}}$

$5880 - 4843 = \square \rightarrow \boxed{\text{I}}$

$11210 - 3164 = \square \rightarrow \boxed{\text{W}}$

$9359 - 989 = \square \rightarrow \boxed{\text{S}}$

$9519 - 2341 = \square \rightarrow \boxed{\text{E}}$

$9394 - 4227 = \square \rightarrow \boxed{\text{L}}$

$6857 - 78 = \square \rightarrow \boxed{\text{C}}$

$10871 - 2310 = \square \rightarrow \boxed{\text{A}}$

$10161 - 2628 = \square \rightarrow \boxed{\text{K}}$

$5592 - 587 = \square \rightarrow \boxed{\text{H}}$

Scratch space:

CLUE 4
Multiplication facts (1-12)

Counting rows of mounted rod holders along the pier gives us our fourth breakthrough.

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

F												F						
144	22	63	16	55	90	110	84	120	120	16	144	90	54	84	80	3		
						F												
81	2	84	90	16	55	144	84	22	4	90	54	63	3	72	120	2		
132	90	2																

$12 \times 12 = \square \rightarrow \text{F}$

$2 \times 2 = \square \rightarrow \text{M}$

$10 \times 9 = \square \rightarrow \text{A}$

$10 \times 8 = \square \rightarrow \text{I}$

$12 \times 6 = \square \rightarrow \text{K}$

$9 \times 9 = \square \rightarrow \text{S}$

$10 \times 11 = \square \rightarrow \text{G}$

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

$7 \times 9 = \square \rightarrow \text{U}$

$11 \times 2 = \square \rightarrow \text{O}$

$12 \times 10 = \square \rightarrow \text{E}$

$5 \times 11 = \square \rightarrow \text{D}$

$2 \times 1 = \square \rightarrow \text{T}$

$3 \times 1 = \square \rightarrow \text{C}$

$8 \times 2 = \square \rightarrow \text{N}$

$9 \times 6 = \square \rightarrow \text{B}$

$12 \times 11 = \square \rightarrow \text{H}$

Scratch space:

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

Dividing the remaining buckets of live bait equally among the boats reveals the final piece.

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:

$10 \div 1 = \boxed{}$

$12 \div 12 = \boxed{}$

$40 \div 5 = \boxed{}$

$48 \div 12 = \boxed{}$

$110 \div 10 = \boxed{}$

$9 \div 1 = \boxed{}$

$84 \div 12 = \boxed{}$

$3 \div 1 = \boxed{}$

$16 \div 8 = \boxed{}$

$132 \div 11 = \boxed{}$

$35 \div 7 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain tied on a deep diving crankbait, then paddled off in a pedal kayak.
2. The villain pitched a heavy flippin jig, then chugged off in an aluminum jon boat.
3. The villain tied on a deep diving crankbait, then cruised off in an electric pontoon.
4. The villain tied on a deep diving crankbait, then drifted away in an inflatable canoe.
5. The villain twitched a neon topwater frog, then chugged off in an aluminum jon boat.
6. The villain twitched a neon topwater frog, then drifted away in an inflatable canoe.
7. The villain rigged a soft plastic worm, then chugged off in an aluminum jon boat.
8. The villain rigged a soft plastic worm, then drifted away in an inflatable canoe.
9. The villain burned a flash spinnerbait, then cruised off in an electric pontoon.
10. The villain rigged a soft plastic worm, then sped away in a sleek bass boat.
11. The villain twitched a neon topwater frog, then sped away in a sleek bass boat.
12. The villain pitched a heavy flippin jig, then cruised off in an electric pontoon.

Answer Key

The Grand Lake Trophy Snatch

Culprit: Skeet Reese

Topwater Frog · Inflatable Canoe · RIGHT HANDED CAST · GREEN BUCKET HAT · SHAD OIL DIP

Trail: Start 21 → Clue 1 16 → Clue 2 11 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE BANDIT DID NOT ESCAPE IN A JON BOAT"

$1192 + 1824 = 3016$ (T) · $2656 + 1563 = 4219$ (A) · $5014 + 4790 = 9804$ (E) · $2726 + 5262 = 7988$ (D) · $2466 + 4553 = 7019$ (S) · $1288 + 1717 = 3005$ (J) · $1731 + 1840 = 3571$ (O) · $907 + 1818 = 2725$ (N) · $3361 + 1691 = 5052$ (I) · $5720 + 3373 = 9093$ (P) · $2813 + 1233 = 4046$ (C) · $1884 + 1181 = 3065$ (H) · $2863 + 3396 = 6259$ (B)

Clue 2 (Rounding): "A RIGHT HANDED CAST LEFT WEAR ON THE REEL"

Round 9,239 to the nearest thousand = 9000 (A) · Round 265 to the nearest hundred = 300 (C) · Round 48 to the nearest ten = 50 (W) · Round 5,347 to the nearest thousand = 5000 (R) · Round 430 to the nearest ten = 430 (F) · Round 3,699 to the nearest hundred = 3700 (D) · Round 4,312 to the nearest hundred = 4300 (N) · Round 1,689 to the nearest hundred = 1700 (G) · Round 505 to the nearest hundred = 500 (T) · Round 741 to the nearest hundred = 700 (E) · Round 2,254 to the nearest hundred = 2300 (S) · Round 24 to the nearest ten = 20 (L) · Round 128 to the nearest ten = 130 (I) · Round 90 to the nearest ten = 90 (O) · Round 203 to the nearest hundred = 200 (H)

Clue 3 (Subtraction): "THE DOCK WAS SPLASHED WITH SHAD OIL DIP"

$9805 - 2887 = 6918$ (T) · $6177 - 2505 = 3672$ (P) · $9595 - 2088 = 7507$ (D) · $10140 - 1338 = 8802$ (O) · $5880 - 4843 = 1037$ (I) · $11210 - 3164 = 8046$ (W) · $9359 - 989 = 8370$ (S) · $9519 - 2341 = 7178$ (E) · $9394 - 4227 = 5167$ (L) · $6857 - 78 = 6779$ (C) · $10871 - 2310 = 8561$ (A) · $10161 - 2628 = 7533$ (K) · $5592 - 587 = 5005$ (H)

Clue 4 (Multiplication facts (1-12)): "FOUND A GREEN FABRIC STRAND FROM A BUCKET HAT"

$12 \times 12 = 144$ (F) · $2 \times 2 = 4$ (M) · $10 \times 9 = 90$ (A) · $10 \times 8 = 80$ (I) · $12 \times 6 = 72$ (K) · $9 \times 9 = 81$ (S) · $10 \times 11 = 110$ (G) · $7 \times 12 = 84$ (R) · $7 \times 9 = 63$ (U) · $11 \times 2 = 22$ (O) · $12 \times 10 = 120$ (E) · $5 \times 11 = 55$ (D) · $2 \times 1 = 2$ (T) · $3 \times 1 = 3$ (C) · $8 \times 2 = 16$ (N) · $9 \times 6 = 54$ (B) · $12 \times 11 = 132$ (H)

Clue 5 (Division facts (1-12)): surviving statement is box 6 → Skeet Reese

$10 \div 1 = 10$ · $12 \div 12 = 1$ · $40 \div 5 = 8$ · $48 \div 12 = 4$ · $110 \div 10 = 11$ · $9 \div 1 = 9$ · $84 \div 12 = 7$ · $3 \div 1 = 3$ · $16 \div 8 = 2$ · $132 \div 11 = 12$ · $35 \div 7 = 5$