



The Great Raptor Ridge Heist

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

Detective: _____ Date: _____

A sneaky thief snuck into the Dino Valley camp and swiped a glowing T-Rex egg fossil! It is up to you to decode the clues, track down the thief, and save the discovery.

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 Fossil Snatcher is _____

Possible suspects

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

NAME	PRIMARY GEAR	SECONDARY TOOL	ACCESSORY	HEAD STYLE	FEAR FACTOR
Expert Nora	Fossil Drill	Mud Sprayer	Solar Goggles	Wild Curls	Bright Flashlights
Driver Rex	Trap Net	Rope Cannon	Solar Goggles	Wild Curls	Bright Flashlights
Tracker Maya	Radar Scanner	Mud Sprayer	Solar Goggles	Safari Hat	Squeaky Boots
Pilot Claire	Fossil Drill	Rope Cannon	Solar Goggles	Safari Hat	Bright Flashlights
Guide Mason	Fossil Drill	Rock Hammer	Compass Watch	Safari Hat	Loud Whistles
Chief Mateo	Fossil Drill	Amber Torch	Compass Watch	Wild Curls	Loud Whistles
Climber Tess	Tracking Drone	Rope Cannon	Compass Watch	Wild Curls	Squeaky Boots
Scout Owen	Tracking Drone	Bone Brush	Compass Watch	Wild Curls	Squeaky Boots
Geologist Sara	Fossil Drill	Mud Sprayer	Solar Goggles	Wild Curls	Squeaky Boots
Doc Sam	Trap Net	Amber Torch	Compass Watch	Safari Hat	Loud Whistles
Ranger Chloe	Radar Scanner	Rock Hammer	Compass Watch	Wild Curls	Squeaky Boots
Guard Bruno	Tracking Drone	Bone Brush	Compass Watch	Safari Hat	Squeaky Boots
Hunter Zack	Trap Net	Bone Brush	Compass Watch	Wild Curls	Squeaky Boots
Trainee Leo	Roar Megaphone	Bone Brush	Compass Watch	Wild Curls	Loud Whistles
Scout Nina	Radar Scanner	Mud Sprayer	Compass Watch	Wild Curls	Bright Flashlights
Dig Lead Ian	Roar Megaphone	Mud Sprayer	Solar Goggles	Red Cap	Loud Whistles
Dr Henry	Roar Megaphone	Rock Hammer	Solar Goggles	Wild Curls	Squeaky Boots
Dr Grant	Radar Scanner	Bone Brush	Compass Watch	Wild Curls	Squeaky Boots
Professor Alan	Radar Scanner	Bone Brush	Solar Goggles	Wild Curls	Loud Whistles
Rookie Toby	Fossil Drill	Bone Brush	Compass Watch	Safari Hat	Bright Flashlights
Mapper Kim	Roar Megaphone	Rope Cannon	Compass Watch	Safari Hat	Loud Whistles

CLUE 1 Rounding

The campsite scanner rounds all bone counts to the nearest ten to keep quick totals.

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

T																T
90	300	50	170	30	1700	1700	500	30	4300	3700	2900	50	370	4300	2900	90
290	370	50	500	7000	2900	430	50	20	500	4300	4300	2900	4300			

Round 87 to the nearest ten → **T**

Round 171 to the nearest ten → **V**

Round 2,896 to the nearest hundred → **O**

Round 456 to the nearest hundred → **A**

Round 1,740 to the nearest hundred → **L**

Round 267 to the nearest hundred → **H**

Round 288 to the nearest ten → **U**

Round 26 to the nearest ten → **I**

Round 3,673 to the nearest hundred → **D**

Round 47 to the nearest ten → **E**

Round 21 to the nearest ten → **C**

Round 6,621 to the nearest thousand → **R**

Round 4,314 to the nearest hundred → **N**

Round 433 to the nearest ten → **P**

Round 368 to the nearest ten → **S**

Scratch space:

CLUE 2
Multiplication facts (1-12)

We check the supply crates arranged in neat equal rows inside the main tent.

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

T																
81	28	21	70	11	70	90	21	35	81	54	21	50	64	70	50	

35	7	27	90	50	70	70	54	50	81	35	28			

$9 \times 9 = \square \rightarrow$ T	$11 \times 1 = \square \rightarrow$ U	$7 \times 1 = \square \rightarrow$ O	$7 \times 5 = \square \rightarrow$ C
$7 \times 4 = \square \rightarrow$ H	$8 \times 8 = \square \rightarrow$ R	$7 \times 10 = \square \rightarrow$ S	$9 \times 3 = \square \rightarrow$ M
$9 \times 10 = \square \rightarrow$ P	$5 \times 10 = \square \rightarrow$ A	$3 \times 7 = \square \rightarrow$ E	
$6 \times 9 = \square \rightarrow$ W			

Scratch space:

CLUE 3

Addition

Our team gathers all discovered fossil fragments from the dig pits into one total.

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

T																
5475	7286	5336	2542	8238	5336	6367	3086	6722	7946	8238	2542	2227	6722	9348	9254	

2542	2023	7946	5336	6367	3086	7180	9294	9348	9348	5475	2542			

$2936 + 2539 = \square \rightarrow \text{T}$

$3664 + 4574 = \square \rightarrow \text{N}$

$4330 + 2392 = \square \rightarrow \text{R}$

$1027 + 996 = \square \rightarrow \text{Q}$

$1444 + 783 = \square \rightarrow \text{F}$

$4948 + 4346 = \square \rightarrow \text{B}$

$3758 + 4188 = \square \rightarrow \text{U}$

$4997 + 2289 = \square \rightarrow \text{H}$

$1117 + 1425 = \square \rightarrow \text{S}$

$3293 + 3887 = \square \rightarrow \text{Y}$

$3976 + 2391 = \square \rightarrow \text{A}$

$5299 + 4049 = \square \rightarrow \text{O}$

$1874 + 1212 = \square \rightarrow \text{K}$

$3565 + 1771 = \square \rightarrow \text{E}$

$5424 + 3830 = \square \rightarrow \text{M}$

Scratch space:

CLUE 4

Subtraction

We compare the total tracks found to the prints swept clean by the desert wind.

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

F																			
4980	4565	5137	4442	6991	2981	5753	6993	8753	2981	4442	6991	7254	4442	5753	4565	4704	8612		

5389	7254	7088	6991	6946	5137	8753	7088	5753

$9022 - 4042 = \square \rightarrow \boxed{\text{F}}$

$8627 - 1634 = \square \rightarrow \boxed{\text{T}}$

$11097 - 4151 = \square \rightarrow \boxed{\text{C}}$

$10362 - 4609 = \square \rightarrow \boxed{\text{S}}$

$7947 - 4966 = \square \rightarrow \boxed{\text{A}}$

$11345 - 4354 = \square \rightarrow \boxed{\text{D}}$

$8682 - 1428 = \square \rightarrow \boxed{\text{I}}$

$8050 - 2913 = \square \rightarrow \boxed{\text{U}}$

$4944 - 240 = \square \rightarrow \boxed{\text{M}}$

$7951 - 2562 = \square \rightarrow \boxed{\text{W}}$

$10196 - 3108 = \square \rightarrow \boxed{\text{L}}$

$8956 - 344 = \square \rightarrow \boxed{\text{E}}$

$8518 - 4076 = \square \rightarrow \boxed{\text{N}}$

$8991 - 238 = \square \rightarrow \boxed{\text{R}}$

$6154 - 1589 = \square \rightarrow \boxed{\text{O}}$

Scratch space:

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

The rangers divide the extra canteen rations equally among all patrol 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:

$63 \div 9 = \boxed{}$

$8 \div 1 = \boxed{}$

$6 \div 1 = \boxed{}$

$14 \div 7 = \boxed{}$

$24 \div 2 = \boxed{}$

$33 \div 11 = \boxed{}$

$50 \div 5 = \boxed{}$

$30 \div 6 = \boxed{}$

$44 \div 4 = \boxed{}$

$4 \div 1 = \boxed{}$

$108 \div 12 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain launched a heavy rope mesh, then brushed away fossil dust.
2. The villain blared a noisy stegosaurus cry, then chipped away at rock.
3. The villain scanned for glowing eggs, then lit up the dark cavern.
4. The villain launched a heavy rope mesh, then lit up the dark cavern.
5. The villain flew a buzzing scout drone, then lit up the dark cavern.
6. The villain scanned for glowing eggs, then chipped away at rock.
7. The villain scanned for glowing eggs, then brushed away fossil dust.
8. The villain flew a buzzing scout drone, then brushed away fossil dust.
9. The villain scanned for glowing eggs, then sprayed slick brown mud.
10. The villain scanned for glowing eggs, then swung across the canyon.
11. The villain launched a heavy rope mesh, then swung across the canyon.
12. The villain blared a noisy stegosaurus cry, then brushed away fossil dust.

Answer Key

The Great Raptor Ridge Heist

Culprit: Hunter Zack

Trap Net · Bone Brush · Compass Watch · Wild Curls · Squeaky Boots

Trail: Start 21 → Clue 1 17 → Clue 2 11 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE VILLAIN DOES NOT USE A ROPE CANNON"

Round 87 to the nearest ten = 90 (T) · Round 171 to the nearest ten = 170 (V) · Round 2,896 to the nearest hundred = 2900 (O) · Round 456 to the nearest hundred = 500 (A) · Round 1,740 to the nearest hundred = 1700 (L) · Round 267 to the nearest hundred = 300 (H) · Round 288 to the nearest ten = 290 (U) · Round 26 to the nearest ten = 30 (I) · Round 3,673 to the nearest hundred = 3700 (D) · Round 47 to the nearest ten = 50 (E) · Round 21 to the nearest ten = 20 (C) · Round 6,621 to the nearest thousand = 7000 (R) · Round 4,314 to the nearest hundred = 4300 (N) · Round 433 to the nearest ten = 430 (P) · Round 368 to the nearest ten = 370 (S)

Clue 2 (Multiplication facts (1-12)): "THE SUSPECT WEARS A COMPASS WATCH"

$9 \times 9 = 81$ (T) · $11 \times 1 = 11$ (U) · $7 \times 1 = 7$ (O) · $7 \times 5 = 35$ (C) · $7 \times 4 = 28$ (H) · $8 \times 8 = 64$ (R) · $7 \times 10 = 70$ (S) · $9 \times 3 = 27$ (M) · $9 \times 10 = 90$ (P) · $5 \times 10 = 50$ (A) · $3 \times 7 = 21$ (E) · $6 \times 9 = 54$ (W)

Clue 3 (Addition): "THE SNEAK RUNS FROM SQUEAKY BOOTS"

$2936 + 2539 = 5475$ (T) · $3664 + 4574 = 8238$ (N) · $4330 + 2392 = 6722$ (R) · $1027 + 996 = 2023$ (Q) · $1444 + 783 = 2227$ (F) · $4948 + 4346 = 9294$ (B) · $3758 + 4188 = 7946$ (U) · $4997 + 2289 = 7286$ (H) · $1117 + 1425 = 2542$ (S) · $3293 + 3887 = 7180$ (Y) · $3976 + 2391 = 6367$ (A) · $5299 + 4049 = 9348$ (O) · $1874 + 1212 = 3086$ (K) · $3565 + 1771 = 5336$ (E) · $5424 + 3830 = 9254$ (M)

Clue 4 (Subtraction): "FOUND A STRAND IN SOME WILD CURLS"

$9022 - 4042 = 4980$ (F) · $8627 - 1634 = 6993$ (T) · $11097 - 4151 = 6946$ (C) · $10362 - 4609 = 5753$ (S) · $7947 - 4966 = 2981$ (A) · $11345 - 4354 = 6991$ (D) · $8682 - 1428 = 7254$ (I) · $8050 - 2913 = 5137$ (U) · $4944 - 240 = 4704$ (M) · $7951 - 2562 = 5389$ (W) · $10196 - 3108 = 7088$ (L) · $8956 - 344 = 8612$ (E) · $8518 - 4076 = 4442$ (N) · $8991 - 238 = 8753$ (R) · $6154 - 1589 = 4565$ (O)

Clue 5 (Division facts (1-12)): surviving statement is box 1 → Hunter Zack

$63 \div 9 = 7$ · $8 \div 1 = 8$ · $6 \div 1 = 6$ · $14 \div 7 = 2$ · $24 \div 2 = 12$ · $33 \div 11 = 3$ · $50 \div 5 = 10$ · $30 \div 6 = 5$ · $44 \div 4 = 11$ · $4 \div 1 = 4$ · $108 \div 12 = 9$