



The Great Dinosaur Island Escapade

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

Detective: _____ Date: _____

Someone has snuck into the Dino Island sanctuary and opened the raptor gates! The Head Ranger needs your help to find the sneaky Dino-Snatcher before the baby T-Rex gets scared.

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 Dino-Snatcher is _____

Possible suspects

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

NAME	MAIN GEAR	ESCAPE RIDE	WRITING HAND	HEADWEAR	SCARE TACTIC
Emma Woods	a stun flashlight	a jet pack	right handed	red cap	laser pointer
Toby Stark	a plasma rope	a speeder bike	left handed	blue helmet	laser pointer
Indiana Jones	a stun flashlight	a speeder bike	left handed	red cap	loud whistle
Bindi Irwin	a net launcher	a hover board	right handed	blue helmet	loud whistle
Owen Grady	a stun flashlight	a dirt buggy	right handed	red cap	laser pointer
Alan Grant	a plasma rope	a speeder bike	left handed	blue helmet	shiny badge
Leo Sterling	a plasma rope	a dirt buggy	left handed	safari hat	shiny badge
Jack Wilder	a stun flashlight	a speeder bike	left handed	blue helmet	shiny badge
Daisy Miller	a net launcher	a speeder bike	left handed	blue helmet	laser pointer
Ellie Sattler	a plasma rope	a mini copter	right handed	blue helmet	shiny badge
Sam Brody	a walkie talkie	a dirt buggy	left handed	safari hat	shiny badge
Annie Carson	a walkie talkie	a dirt buggy	left handed	red cap	loud whistle
Maya Lin	a stun flashlight	a speeder bike	right handed	blue helmet	laser pointer
Benny Cruz	a stun flashlight	a dirt buggy	right handed	blue helmet	loud whistle
Chloe Vance	a net launcher	a mini copter	left handed	red cap	loud whistle
Rex Stone	a plasma rope	a mini copter	left handed	blue helmet	laser pointer
Roxy Rivera	a net launcher	a speeder bike	right handed	safari hat	shiny badge
Zack Ryder	a plasma rope	a hover board	left handed	blue helmet	shiny badge
Ian Malcolm	a walkie talkie	a hover board	right handed	red cap	loud whistle
Alex Hunter	a map tracker	a speeder bike	left handed	blue helmet	shiny badge
Steve Irwin	a net launcher	a speeder bike	left handed	blue helmet	shiny badge

CLUE 1 Rounding

The radar screen in the control room only shows rounded numbers. We have to round the dinosaur herd count to find the first clue.

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

T																		
70	130	3700	110	1100	4300	1100	200	1700	70	3700	2000	3000	30	230	3700	1700	200	30
130	1700	50	3700	300	20	1700	30	300	1100									

Round 66 to the nearest ten → **T**

Round 33 to the nearest ten → **A**

Round 113 to the nearest ten → **Y**

Round 4,288 to the nearest hundred → **I**

Round 2,592 to the nearest thousand → **C**

Round 3,695 to the nearest hundred → **E**

Round 131 to the nearest ten → **H**

Round 239 to the nearest hundred → **N**

Round 260 to the nearest hundred → **R**

Round 47 to the nearest ten → **V**

Round 2,474 to the nearest thousand → **S**

Round 1,722 to the nearest hundred → **O**

Round 226 to the nearest ten → **P**

Round 1,143 to the nearest hundred → **D**

Round 24 to the nearest ten → **B**

Scratch space:

CLUE 2 Addition

We need to add up all the missing dino treats from the supply room to find where the thief went next.

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

T

 T

8484 5862 5016 7482 3418 7450 3418 8484 6336 8529 7314 7450 5016 7096 8484 5862 5016 3418 8529

T

 T
 T

5792 5016 6025 8484 5862 3938 8471 7096 8484 6336 2140 8529 3418 8484 5016

$2968 + 5516 = \boxed{} \rightarrow \boxed{\text{T}}$

$3788 + 4741 = \boxed{} \rightarrow \boxed{\text{R}}$

$1803 + 2135 = \boxed{} \rightarrow \boxed{\text{A}}$

$3785 + 2551 = \boxed{} \rightarrow \boxed{\text{O}}$

$1803 + 3213 = \boxed{} \rightarrow \boxed{\text{E}}$

$3268 + 4214 = \boxed{} \rightarrow \boxed{\text{V}}$

$3985 + 3465 = \boxed{} \rightarrow \boxed{\text{S}}$

$1404 + 736 = \boxed{} \rightarrow \boxed{\text{W}}$

$3700 + 2162 = \boxed{} \rightarrow \boxed{\text{H}}$

$2248 + 4848 = \boxed{} \rightarrow \boxed{\text{D}}$

$3645 + 3669 = \boxed{} \rightarrow \boxed{\text{U}}$

$2088 + 3937 = \boxed{} \rightarrow \boxed{\text{F}}$

$2276 + 3516 = \boxed{} \rightarrow \boxed{\text{L}}$

$5578 + 2893 = \boxed{} \rightarrow \boxed{\text{N}}$

$1486 + 1932 = \boxed{} \rightarrow \boxed{\text{I}}$

Scratch space:

CLUE 3

Subtraction

The security lock needs us to subtract the broken fossil pieces from the total safe count to open the clue drawer.

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

T															
5271	2714	1922	8942	8204	1835	8030	1835	3226	1835	8942	3226	2714	1922	8030	1835

6670	2714	6059	8030	8942	4901	1835	4519	5341	1922	8959	4527	1835	6670	2714	1922	4519

$7064 - 1793 = \square \rightarrow \boxed{\text{T}}$

$6586 - 3872 = \square \rightarrow \boxed{\text{H}}$

$7114 - 2595 = \square \rightarrow \boxed{\text{D}}$

$10504 - 1545 = \square \rightarrow \boxed{\text{F}}$

$2707 - 872 = \square \rightarrow \boxed{\text{A}}$

$5870 - 3948 = \square \rightarrow \boxed{\text{E}}$

$6402 - 3176 = \square \rightarrow \boxed{\text{W}}$

$9824 - 3154 = \square \rightarrow \boxed{\text{S}}$

$8759 - 729 = \square \rightarrow \boxed{\text{N}}$

$9576 - 4675 = \square \rightarrow \boxed{\text{B}}$

$8696 - 2637 = \square \rightarrow \boxed{\text{I}}$

$8530 - 3189 = \square \rightarrow \boxed{\text{G}}$

$5704 - 1177 = \square \rightarrow \boxed{\text{L}}$

$10317 - 1375 = \square \rightarrow \boxed{\text{Y}}$

$11410 - 3206 = \square \rightarrow \boxed{\text{R}}$

Scratch space:

CLUE 4

Multiplication facts (1-12)

We found rows of muddy footprints. Multiplying the columns of prints will reveal the path the suspect took.

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

A								A						A				
15	96	80	36	70	28	121	49	15	20	21	49	33	18	15				
							A											
25	70	80	18	70	121	45	15	28	80	70	21	121	96	70	25	55	100	81

$5 \times 3 = \square \rightarrow \text{A}$

$3 \times 7 = \square \rightarrow \text{F}$

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

$10 \times 10 = \square \rightarrow \text{N}$

$8 \times 12 = \square \rightarrow \text{B}$

$5 \times 5 = \square \rightarrow \text{H}$

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

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

$10 \times 2 = \square \rightarrow \text{P}$

$5 \times 9 = \square \rightarrow \text{W}$

$11 \times 11 = \square \rightarrow \text{T}$

$10 \times 7 = \square \rightarrow \text{E}$

$7 \times 4 = \square \rightarrow \text{S}$

$3 \times 11 = \square \rightarrow \text{O}$

$6 \times 3 = \square \rightarrow \text{M}$

$4 \times 9 = \square \rightarrow \text{U}$

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

Scratch space:

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

To unlock the final camera clip, we must share the remaining energy cells equally among the backup generators.

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:

$36 \div 12 = \square$

$80 \div 8 = \square$

$63 \div 7 = \square$

$60 \div 5 = \square$

$56 \div 8 = \square$

$18 \div 9 = \square$

$64 \div 8 = \square$

$40 \div 10 = \square$

$50 \div 10 = \square$

$1 \div 1 = \square$

$6 \div 1 = \square$

Step 2 - cross out the sentence with each answer:

1. The villain tangled the guard with a plasma rope, then glided over the mud on a hover board.
2. The villain called for backup on a walkie talkie, then glided over the mud on a hover board.
3. The villain fired a net launcher at the raptor, then zoomed away on a speeder bike.
4. The villain used a map tracker to find the nest, then glided over the mud on a hover board.
5. The villain shined a stun flashlight in the cave, then blasted into the sky with a jet pack.
6. The villain fired a net launcher at the raptor, then tore up the trail in a dirt buggy.
7. The villain tangled the guard with a plasma rope, then tore up the trail in a dirt buggy.
8. The villain shined a stun flashlight in the cave, then tore up the trail in a dirt buggy.
9. The villain used a map tracker to find the nest, then zoomed away on a speeder bike.
10. The villain tangled the guard with a plasma rope, then zoomed away on a speeder bike.
11. The villain shined a stun flashlight in the cave, then zoomed away on a speeder bike.
12. The villain called for backup on a walkie talkie, then zoomed away on a speeder bike.

Answer Key

The Great Dinosaur Island Escapade

Culprit: Jack Wilder

a stun flashlight · a speeder bike · left handed · blue helmet · shiny badge

Trail: Start 21 → Clue 1 18 → Clue 2 12 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THEY DID NOT ESCAPE ON A HOVER BOARD"

Round 66 to the nearest ten = 70 (T) · Round 33 to the nearest ten = 30 (A) · Round 113 to the nearest ten = 110 (Y) · Round 4,288 to the nearest hundred = 4300 (I) · Round 2,592 to the nearest thousand = 3000 (C) · Round 3,695 to the nearest hundred = 3700 (E) · Round 131 to the nearest ten = 130 (H) · Round 239 to the nearest hundred = 200 (N) · Round 260 to the nearest hundred = 300 (R) · Round 47 to the nearest ten = 50 (V) · Round 2,474 to the nearest thousand = 2000 (S) · Round 1,722 to the nearest hundred = 1700 (O) · Round 226 to the nearest ten = 230 (P) · Round 1,143 to the nearest hundred = 1100 (D) · Round 24 to the nearest ten = 20 (B)

Clue 2 (Addition): "THE VISITOR USED THEIR LEFT HAND TO WRITE"

$2968 + 5516 = 8484$ (T) · $3788 + 4741 = 8529$ (R) · $1803 + 2135 = 3938$ (A) · $3785 + 2551 = 6336$ (O) · $1803 + 3213 = 5016$ (E) · $3268 + 4214 = 7482$ (V) · $3985 + 3465 = 7450$ (S) · $1404 + 736 = 2140$ (W) · $3700 + 2162 = 5862$ (H) · $2248 + 4848 = 7096$ (D) · $3645 + 3669 = 7314$ (U) · $2088 + 3937 = 6025$ (F) · $2276 + 3516 = 5792$ (L) · $5578 + 2893 = 8471$ (N) · $1486 + 1932 = 3418$ (I)

Clue 3 (Subtraction): "THEY RAN AWAY WHEN A SHINY BADGE FLASHED"

$7064 - 1793 = 5271$ (T) · $6586 - 3872 = 2714$ (H) · $7114 - 2595 = 4519$ (D) · $10504 - 1545 = 8959$ (F) · $2707 - 872 = 1835$ (A) · $5870 - 3948 = 1922$ (E) · $6402 - 3176 = 3226$ (W) · $9824 - 3154 = 6670$ (S) · $8759 - 729 = 8030$ (N) · $9576 - 4675 = 4901$ (B) · $8696 - 2637 = 6059$ (I) · $8530 - 3189 = 5341$ (G) · $5704 - 1177 = 4527$ (L) · $10317 - 1375 = 8942$ (Y) · $11410 - 3206 = 8204$ (R)

Clue 4 (Multiplication facts (1-12)): "A BLUE STRAP FROM A HELMET WAS LEFT BEHIND"

$5 \times 3 = 15$ (A) · $3 \times 7 = 21$ (F) · $9 \times 9 = 81$ (D) · $10 \times 10 = 100$ (N) · $8 \times 12 = 96$ (B) · $5 \times 5 = 25$ (H) · $10 \times 8 = 80$ (L) · $5 \times 11 = 55$ (I) · $10 \times 2 = 20$ (P) · $5 \times 9 = 45$ (W) · $11 \times 11 = 121$ (T) · $10 \times 7 = 70$ (E) · $7 \times 4 = 28$ (S) · $3 \times 11 = 33$ (O) · $6 \times 3 = 18$ (M) · $4 \times 9 = 36$ (U) · $7 \times 7 = 49$ (R)

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

$36 \div 12 = 3$ · $80 \div 8 = 10$ · $63 \div 7 = 9$ · $60 \div 5 = 12$ · $56 \div 8 = 7$ · $18 \div 9 = 2$ · $64 \div 8 = 8$ · $40 \div 10 = 4$ · $50 \div 10 = 5$ · $1 \div 1 = 1$ · $6 \div 1 = 6$