



The Case of the Stolen Dino Egg

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

Detective: _____ **Date:** _____

Last night someone crept into Thunder Valley Dinosaur Park and swiped the rarest egg of all, a spotted baby Triceratops still waiting to hatch. The mud near the empty nest is full of clues, from torn scales to giant footprints. It is up to you to track down the Egg Snatcher before the sun sets.

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 Egg Snatcher is _____

Possible suspects

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

NAME	DINO KIND	SPECIAL TRICK	BOY OR GIRL	SCALE COLOR	WEAK SPOT
Daisy	Ankylosaurus	Booming Roar	Girl	Red	Sneezes at Flowers
Dot	Velociraptor	Booming Roar	Girl	Green	Scared of Thunder
Rumble	Stegosaurus	Tail Smasher	Girl	Green	Ticklish Feet
Tilly	Pteranodon	Booming Roar	Girl	Red	Scared of Thunder
Stomper	Velociraptor	Booming Roar	Girl	Green	Sneezes at Flowers
Bolt	Stegosaurus	Booming Roar	Boy	Red	Sneezes at Flowers
Pip	Stegosaurus	Super Speed	Girl	Green	Scared of Thunder
Sunny	Velociraptor	Strong Swimmer	Boy	Green	Scared of Thunder
Sandy	Pteranodon	Sky Glider	Girl	Red	Sneezes at Flowers
Cera	Velociraptor	Super Speed	Girl	Green	Ticklish Feet
Fang	Stegosaurus	Booming Roar	Boy	Green	Sneezes at Flowers
Goldie	Pteranodon	Tail Smasher	Girl	Brown	Ticklish Feet
Ziggy	Velociraptor	Super Speed	Boy	Red	Sneezes at Flowers
Hazel	Ankylosaurus	Booming Roar	Girl	Green	Sneezes at Flowers
Crunch	Pteranodon	Tail Smasher	Girl	Green	Sneezes at Flowers
Spike	Velociraptor	Booming Roar	Boy	Green	Sneezes at Flowers
Pebbles	Ankylosaurus	Sky Glider	Girl	Brown	Ticklish Feet
Clawdia	Stegosaurus	Booming Roar	Girl	Brown	Sneezes at Flowers
Buddy	Stegosaurus	Tail Smasher	Girl	Green	Sneezes at Flowers
Bronto	Tyrannosaurus	Super Speed	Boy	Brown	Sneezes at Flowers
Tank	Tyrannosaurus	Strong Swimmer	Girl	Green	Sneezes at Flowers

CLUE 1
Rounding

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

T									T											T
28000	300	50	50	70000	70000	280000	500	47000	28000	1400	300	50	140	1400	47000	500	500	3000	28000	

					T			
280000	70	700	2800000	47000	28000	47000	310000	310000

Round 27,771 to the nearest thousand →

T

Round 283,207 to the nearest ten thousand →

S

Round 73,770 to the nearest ten thousand →

G

Round 69 to the nearest ten →

W

Round 349 to the nearest hundred →

H

Round 2,793,925 to the nearest hundred thousand →

M

Round 695 to the nearest hundred →

I

Round 2,524 to the nearest thousand →

O

Round 541 to the nearest hundred →

N

Round 53 to the nearest ten →

E

Round 1,420 to the nearest hundred →

C

Round 46,744 to the nearest thousand →

A

Round 308,911 to the nearest ten thousand →

L

Round 141 to the nearest ten →

R

Scratch space:

CLUE 2

Addition

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

A

3985

4695

6623

4289

8774

6645

7392

7392

7392

A

3985

4695

A

3985

8801

6623

7241

6696

4114

6623

8774

8202

7241

2327

8774

8202

2408

2408

$1731 + 2254 = \square \rightarrow$

A

$3722 + 2974 = \square \rightarrow$

L

$3041 + 5161 = \square \rightarrow$

O

$1411 + 916 = \square \rightarrow$

U

$4419 + 4355 = \square \rightarrow$

N

$2926 + 5875 = \square \rightarrow$

G

$1781 + 2508 = \square \rightarrow$

T

$3285 + 3360 = \square \rightarrow$

E

$4085 + 2538 = \square \rightarrow$

I

$1625 + 3070 = \square \rightarrow$

W

$2282 + 5110 = \square \rightarrow$

S

$724 + 1684 = \square \rightarrow$

F

$4746 + 2495 = \square \rightarrow$

R

$2528 + 1586 = \square \rightarrow$

D

Scratch space:

CLUE 4
Multiplication facts (1-12)

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

G																			
99	132	44	44	32	80	49	36	28	44	80	81	44	132	44	28	44	27	10	
72	4	10	64	44	32	44	80	10											

$9 \times 11 = \square \rightarrow \text{G}$	$8 \times 4 = \square \rightarrow \text{N}$	$2 \times 5 = \square \rightarrow \text{T}$	$4 \times 1 = \square \rightarrow \text{Y}$
$12 \times 3 = \square \rightarrow \text{A}$	$8 \times 8 = \square \rightarrow \text{H}$	$3 \times 9 = \square \rightarrow \text{F}$	
$12 \times 11 = \square \rightarrow \text{R}$	$11 \times 4 = \square \rightarrow \text{E}$	$9 \times 9 = \square \rightarrow \text{W}$	
$7 \times 4 = \square \rightarrow \text{L}$	$10 \times 8 = \square \rightarrow \text{S}$	$7 \times 7 = \square \rightarrow \text{C}$	$9 \times 8 = \square \rightarrow \text{B}$

Scratch space:

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

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:

$72 \div 12 = \boxed{}$

$42 \div 6 = \boxed{}$

$6 \div 3 = \boxed{}$

$60 \div 12 = \boxed{}$

$66 \div 6 = \boxed{}$

$72 \div 9 = \boxed{}$

$40 \div 4 = \boxed{}$

$6 \div 2 = \boxed{}$

$44 \div 11 = \boxed{}$

$11 \div 11 = \boxed{}$

$18 \div 2 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain stomps up with giant jaws, then sprints away in a flash.
2. The villain swoops down from the sky, then smashes the gate with its tail.
3. The villain stomps up with giant jaws, then glides over the tall fences.
4. The villain swoops down from the sky, then slips into the water.
5. The villain darts in on quick claws, then glides over the tall fences.
6. The villain swings its spiky tail, then smashes the gate with its tail.
7. The villain rolls in like a heavy tank, then lets out a booming roar.
8. The villain stomps up with giant jaws, then slips into the water.
9. The villain swings its spiky tail, then lets out a booming roar.
10. The villain rolls in like a heavy tank, then glides over the tall fences.
11. The villain stomps up with giant jaws, then smashes the gate with its tail.
12. The villain darts in on quick claws, then lets out a booming roar.

Answer Key

The Case of the Stolen Dino Egg

Culprit: Stomper

Velociraptor · Booming Roar · Girl · Green · Sneezes at Flowers

Trail: Start 21 → Clue 1 19 → Clue 2 14 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE EGG SNATCHER CANNOT SWIM AT ALL"

Round 27,771 to the nearest thousand = 28000 (T) · Round 283,207 to the nearest ten thousand = 280000 (S) · Round 73,770 to the nearest ten thousand = 70000 (G) · Round 69 to the nearest ten = 70 (W) · Round 349 to the nearest hundred = 300 (H) · Round 2,793,925 to the nearest hundred thousand = 2800000 (M) · Round 695 to the nearest hundred = 700 (I) · Round 2,524 to the nearest thousand = 3000 (O) · Round 541 to the nearest hundred = 500 (N) · Round 53 to the nearest ten = 50 (E) · Round 1,420 to the nearest hundred = 1400 (C) · Round 46,744 to the nearest thousand = 47000 (A) · Round 308,911 to the nearest ten thousand = 310000 (L) · Round 141 to the nearest ten = 140 (R)

Clue 2 (Addition): "A WITNESS SAW A GIRL DINO RUN OFF"

$1731 + 2254 = 3985$ (A) · $3722 + 2974 = 6696$ (L) · $3041 + 5161 = 8202$ (O) · $1411 + 916 = 2327$ (U) · $4419 + 4355 = 8774$ (N) · $2926 + 5875 = 8801$ (G) · $1781 + 2508 = 4289$ (T) · $3285 + 3360 = 6645$ (E) · $4085 + 2538 = 6623$ (I) · $1625 + 3070 = 4695$ (W) · $2282 + 5110 = 7392$ (S) · $724 + 1684 = 2408$ (F) · $4746 + 2495 = 7241$ (R) · $2528 + 1586 = 4114$ (D)

Clue 3 (Subtraction): "A BUNCH OF FLOWERS MADE IT SNEEZE AND RUN"

$8820 - 4477 = 4343$ (A) · $4953 - 2234 = 2719$ (Z) · $8184 - 3099 = 5085$ (H) · $10406 - 4501 = 5905$ (N) · $3801 - 755 = 3046$ (R) · $5367 - 1849 = 3518$ (E) · $8901 - 3499 = 5402$ (D) · $3645 - 1275 = 2370$ (L) · $4646 - 2337 = 2309$ (F) · $8843 - 2182 = 6661$ (T) · $9496 - 1474 = 8022$ (C) · $11507 - 3778 = 7729$ (B) · $9313 - 848 = 8465$ (S) · $7300 - 2578 = 4722$ (I) · $11061 - 4999 = 6062$ (W) · $7921 - 2470 = 5451$ (M) · $11455 - 3626 = 7829$ (O) · $6807 - 1533 = 5274$ (U)

Clue 4 (Multiplication facts (1-12)): "GREEN SCALES WERE LEFT BY THE NEST"

$9 \times 11 = 99$ (G) · $8 \times 4 = 32$ (N) · $2 \times 5 = 10$ (T) · $4 \times 1 = 4$ (Y) · $12 \times 3 = 36$ (A) · $8 \times 8 = 64$ (H) · $3 \times 9 = 27$ (F) · $12 \times 11 = 132$ (R) · $11 \times 4 = 44$ (E) · $9 \times 9 = 81$ (W) · $7 \times 4 = 28$ (L) · $10 \times 8 = 80$ (S) · $7 \times 7 = 49$ (C) · $9 \times 8 = 72$ (B)

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

$72 \div 12 = 6$ · $42 \div 6 = 7$ · $6 \div 3 = 2$ · $60 \div 12 = 5$ · $66 \div 6 = 11$ · $72 \div 9 = 8$ · $40 \div 4 = 10$ · $6 \div 2 = 3$ · $44 \div 11 = 4$ · $11 \div 11 = 1$ · $18 \div 2 = 9$