



The Great Dinosaur Egg Hunt

Grade 1 math · Addition, Subtraction, Skip counting, Place value, Missing addends · Reading level grades 3-4

Detective: _____ **Date:** _____

Someone has sneaked into the sanctuary and snatched the priceless golden T-Rex egg! The Dino Patrol needs your help to track down the thief and return the egg safely before it hatches.

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 Bandit is _____

Possible suspects

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

NAME	DINO SUIT	POCKET TOOL	FOOTPRINT STANCE	HELMET STYLE	DISTRACTION
Marnie Maiasaur	Pterodactyl Wings	Laser Pointer	Left-footed prints	Orange Feather Cap	Shiny Gold Coins
Daisy Diplodocus	T-Rex Mask	Laser Pointer	Left-footed prints	Orange Feather Cap	Squeaky Toys
Digby Drake	Ankylosaurus Tail	Walkie Talkie	Left-footed prints	Green Spiky Wig	Shiny Gold Coins
Fossil Fiona	Triceratops Horns	Walkie Talkie	Right-footed prints	Orange Feather Cap	Squeaky Toys
Toby Tricera	Pterodactyl Wings	Magnifying Glass	Right-footed prints	Blue Raptor Helmet	Squeaky Toys
Pip Pteranodon	Triceratops Horns	Laser Pointer	Right-footed prints	Blue Raptor Helmet	Shiny Gold Coins
Al Raptor	Pterodactyl Wings	Digging Shovel	Left-footed prints	Green Spiky Wig	Smelly Ferns
Tracker Trish	Triceratops Horns	Walkie Talkie	Left-footed prints	Orange Feather Cap	Squeaky Toys
Ranger Rex	Pterodactyl Wings	Flashlight	Left-footed prints	Orange Feather Cap	Squeaky Toys
Spike Spinax	Triceratops Horns	Flashlight	Right-footed prints	Orange Feather Cap	Shiny Gold Coins
Clara Clay	Ankylosaurus Tail	Digging Shovel	Right-footed prints	Orange Feather Cap	Shiny Gold Coins
Steggy Sue	T-Rex Mask	Walkie Talkie	Right-footed prints	Orange Feather Cap	Squeaky Toys
Alan Grant	Pterodactyl Wings	Digging Shovel	Left-footed prints	Green Spiky Wig	Squeaky Toys
Rocky Ridge	T-Rex Mask	Digging Shovel	Right-footed prints	Orange Feather Cap	Squeaky Toys
Owen Raptor	Pterodactyl Wings	Magnifying Glass	Right-footed prints	Green Spiky Wig	Smelly Ferns
Rexie Rivera	Pterodactyl Wings	Walkie Talkie	Right-footed prints	Green Spiky Wig	Smelly Ferns
Ellie Sattler	T-Rex Mask	Walkie Talkie	Left-footed prints	Green Spiky Wig	Smelly Ferns
Val Velociraptor	T-Rex Mask	Walkie Talkie	Left-footed prints	Orange Feather Cap	Smelly Ferns
Barney Basilisk	Triceratops Horns	Digging Shovel	Left-footed prints	Orange Feather Cap	Squeaky Toys
Gerry Geode	T-Rex Mask	Flashlight	Left-footed prints	Green Spiky Wig	Shiny Gold Coins
Penny Raptor	T-Rex Mask	Flashlight	Left-footed prints	Orange Feather Cap	Squeaky Toys

CLUE 1

Ranger Rex found two piles of sharp raptor teeth on the trail. We must add the piles together to find the total teeth and unlock the first clue.

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

A 2x6 grid of boxes. The top row contains the numbers 9, 16, 14, 10, 7, 10, 11, 14, 17, 9, 3, 19, 14, 10, 5, 19, 9. The bottom row contains the numbers 7, 10, 14, 4, 2, 4, 10, 14, 6, 11, 19, 20, 5, 9, 14, 6. The box containing the number 9 in the top row, 8th column from the left, is highlighted orange and contains the letter 'T'.

$3 + 6 = \square \rightarrow \boxed{\text{T}}$

$1 + 2 = \square \rightarrow \boxed{\text{D}}$

$3 + 2 = \square \rightarrow \boxed{\text{N}}$

$9 + 7 = \boxed{} \rightarrow \boxed{\text{H}}$

$13 + 7 = \square \rightarrow \boxed{\text{I}}$

3 + 4 = → **U**

$6 + 4 = \square \rightarrow \boxed{\mathbf{S}}$

1 + 1 = → **L**

$6 + 5 = \square \rightarrow \boxed{\mathbf{P}}$

12 + 7 = →

$$4 + 2 = \boxed{} \rightarrow \boxed{\text{R}}$$

$6 + 8 = \boxed{} \rightarrow \boxed{\text{E}}$

$10 + 7 = \square \rightarrow \boxed{\text{C}}$

$2 + 2 = \square \rightarrow \boxed{\mathbf{A}}$

Scratch space:

CLUE 2 Subtraction

We had a basket of fresh ferns, but a hungry stegosaurus ate some of them! Subtract the eaten ferns to see what remains and reveal the next clue.

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

T						T						T						
14	2	11	19	1	1	14	13	5	6	10	14	4	4	2	1	17	9	

			T										T				
15	11	19	14	15	11	9	10	6	10	12	4	14	9	10	7	11	

$16 - 2 = \square \rightarrow \text{[T]}$	$14 - 1 = \square \rightarrow \text{[P]}$	$13 - 2 = \square \rightarrow \text{[E]}$	$7 - 2 = \square \rightarrow \text{[R]}$
$13 - 1 = \square \rightarrow \text{[G]}$	$20 - 5 = \square \rightarrow \text{[L]}$	$18 - 1 = \square \rightarrow \text{[W]}$	
$20 - 1 = \square \rightarrow \text{[F]}$	$12 - 6 = \square \rightarrow \text{[I]}$	$5 - 3 = \square \rightarrow \text{[H]}$	$3 - 2 = \square \rightarrow \text{[O]}$
$11 - 2 = \square \rightarrow \text{[A]}$	$10 - 6 = \square \rightarrow \text{[S]}$	$8 - 1 = \square \rightarrow \text{[C]}$	$19 - 9 = \square \rightarrow \text{[N]}$

Scratch space:

CLUE 3 Skip counting

The bandit left tracks in even rows. Count the footprints by twos to follow the path and uncover the suspect's weakness.

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

S									S							S
130	50	6	10	22	24	35	65	100	35	130	22	9	60	22	35	130

S								S								
130	27	22	55	10	65	40	16	130	26	16	9	9	22	16	12	

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, __, 140, 150 → **S**

Skip-count by 2s. Fill the blank: 2, 4, __, 8, 10 → **U**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, __, 24, 26 → **A**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, __, 65, 70 → **W**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, __, 60, 70 → **Q**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, __, 28, 30 → **V**

Skip-count by 10s. Fill the blank: 10, 20, 30, __, 50, 60 → **H**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, __, 18, 20 → **I**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, __, 40, 45 → **Y**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, __, 110, 120 → **O**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, __, 70, 75 → **T**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, __, 30, 33 → **C**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, __, 14, 16 → **N**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, __, 27, 30 → **K**

Skip-count by 3s. Fill the blank: 3, 6, __, 12, 15 → **L**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, __, 60, 65 → **R**

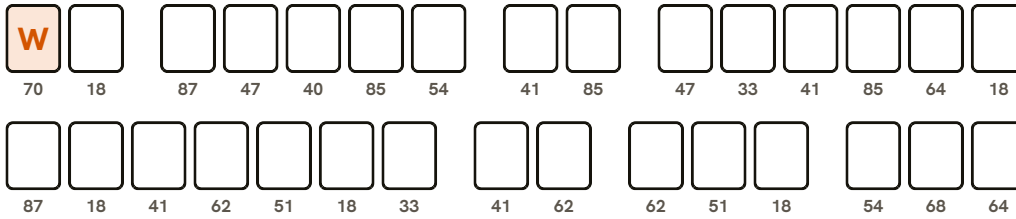
Skip-count by 2s. Fill the blank: 2, 4, 6, 8, __, 12, 14 → **E**

Scratch space:

CLUE 4 Place value

Our digital fossil scanner displays the power levels in tens and ones. Group the blocks to read the correct code and get the hair clue.

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



What number has 7 tens and 0 ones? → **W**

What number has 8 tens and 7 ones? → **F**

What number has 6 tens and 8 ones? → **I**

What number has 5 tens and 1 one? → **H**

What number has 1 ten and 8 ones? → **E**

What number has 4 tens and 0 ones? → **U**

What number has 5 tens and 4 ones? → **D**

What number has 6 tens and 4 ones? → **G**

What number has 4 tens and 1 one? → **A**

What number has 8 tens and 5 ones? → **N**

What number has 4 tens and 7 ones? → **O**

What number has 3 tens and 3 ones? → **R**

What number has 6 tens and 2 ones? → **T**

Scratch space:

CLUE 5**Missing addends - the last clue**

Our egg-carrying case needs ten soft leaves to cushion the egg, but we only have a few. Find how many more leaves we need to finish the case and get 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:

$2 + \underline{\quad} = 5$

$7 + \underline{\quad} = 15$

$6 + \underline{\quad} = 16$

$9 + \underline{\quad} = 21$

$6 + \underline{\quad} = 8$

$2 + \underline{\quad} = 13$

$7 + \underline{\quad} = 11$

$1 + \underline{\quad} = 8$

$4 + \underline{\quad} = 10$

$10 + \underline{\quad} = 15$

$10 + \underline{\quad} = 19$

Step 2 - cross out the sentence with each answer:

1. The villain roared like a mighty rex, then blew a loud warning whistle.
2. The villain chomped on giant green leaves, then scared away a baby triceratops.
3. The villain swung a heavy spiked tail, then shined a bright light on the wall.
4. The villain chomped on giant green leaves, then shined a bright light on the wall.
5. The villain swung a heavy spiked tail, then blew a loud warning whistle.
6. The villain stomped through the deep mud, then lost a gold digging shovel.
7. The villain stomped through the deep mud, then blew a loud warning whistle.
8. The villain dashed past the fossil cave, then blew a loud warning whistle.
9. The villain stomped through the deep mud, then dropped a map of the sanctuary.
10. The villain swung a heavy spiked tail, then scared away a baby triceratops.
11. The villain chomped on giant green leaves, then dropped a map of the sanctuary.
12. The villain stomped through the deep mud, then shined a bright light on the wall.

Answer Key

The Great Dinosaur Egg Hunt

Culprit: Penny Raptor

T-Rex Mask · Flashlight · Left-footed prints · Orange Feather Cap · Squeaky Toys

Trail: Start 21 → Clue 1 18 → Clue 2 10 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE SUSPECT DOES NOT USE A LASER POINTER"

$3 + 6 = 9$ (T) · $1 + 2 = 3$ (D) · $3 + 2 = 5$ (N) · $9 + 7 = 16$ (H) · $13 + 7 = 20$ (I) · $3 + 4 = 7$ (U) · $6 + 4 = 10$ (S) · $1 + 1 = 2$ (L) · $6 + 5 = 11$ (P) · $12 + 7 = 19$ (O) · $4 + 2 = 6$ (R) · $6 + 8 = 14$ (E) · $10 + 7 = 17$ (C) · $2 + 2 = 4$ (A)

Clue 2 (Subtraction): "THE FOOTPRINTS SHOW A LEFT LEANING STANCE"

$16 - 2 = 14$ (T) · $14 - 1 = 13$ (P) · $13 - 2 = 11$ (E) · $7 - 2 = 5$ (R) · $13 - 1 = 12$ (G) · $20 - 5 = 15$ (L) · $18 - 1 = 17$ (W) · $20 - 1 = 19$ (F) · $12 - 6 = 6$ (I) · $5 - 3 = 2$ (H) · $3 - 2 = 1$ (O) · $11 - 2 = 9$ (A) · $10 - 6 = 4$ (S) · $8 - 1 = 7$ (C) · $19 - 9 = 10$ (N)

Clue 3 (Skip counting): "SQUEAKY TOYS ALWAYS SCARE THIS VILLAIN"

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, __, 140, 150 = 130 (S) · Skip-count by 2s. Fill the blank: 2, 4, __, 8, 10 = 6 (U) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, __, 24, 26 = 22 (A) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, __, 65, 70 = 60 (W) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, __, 60, 70 = 50 (Q) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, __, 28, 30 = 26 (V) · Skip-count by 10s. Fill the blank: 10, 20, 30, __, 50, 60 = 40 (H) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, __, 18, 20 = 16 (I) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, __, 40, 45 = 35 (Y) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, __, 110, 120 = 100 (O) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, __, 70, 75 = 65 (T) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, __, 30, 33 = 27 (C) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, __, 14, 16 = 12 (N) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, __, 27, 30 = 24 (K) · Skip-count by 3s. Fill the blank: 3, 6, __, 12, 15 = 9 (L) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, __, 60, 65 = 55 (R) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, __, 12, 14 = 10 (E)

Clue 4 (Place value): "WE FOUND AN ORANGE FEATHER AT THE DIG"

What number has 7 tens and 0 ones? = 70 (W) · What number has 8 tens and 7 ones? = 87 (F) · What number has 6 tens and 8 ones? = 68 (I) · What number has 5 tens and 1 one? = 51 (H) · What number has 1 ten and 8 ones? = 18 (E) · What number has 4 tens and 0 ones? = 40 (U) · What number has 5 tens and 4 ones? = 54 (D) · What number has 6 tens and 4 ones? = 64 (G) · What number has 4 tens and 1 one? = 41 (A) · What number has 8 tens and 5 ones? = 85 (N) · What number has 4 tens and 7 ones? = 47 (O) · What number has 3 tens and 3 ones? = 33 (R) · What number has 6 tens and 2 ones? = 62 (T)

Clue 5 (Missing addends): surviving statement is box 1 → Penny Raptor

$2 + \underline{\quad} = 5 = 3$ · $7 + \underline{\quad} = 15 = 8$ · $6 + \underline{\quad} = 16 = 10$ · $9 + \underline{\quad} = 21 = 12$ · $6 + \underline{\quad} = 8 = 2$ · $2 + \underline{\quad} = 13 = 11$ · $7 + \underline{\quad} = 11 = 4$ · $1 + \underline{\quad} = 8 = 7$ · $4 + \underline{\quad} = 10 = 6$ · $10 + \underline{\quad} = 15 = 5$ · $10 + \underline{\quad} = 19 = 9$