



The Lost Ender Dragon Egg

Grade 2 math · Addition, Subtraction, Place value, Skip counting, Missing addends · Reading level grades 1-2

Detective: _____ **Date:** _____

Oh no! Someone broke into the Chief Builder's castle and stole the super rare Ender Dragon Egg. The floor is covered in cobblestone, and there are mysterious footprints leading into the dark mine. We need to find the thief before they hatch the dragon and cause chaos in Craftia!

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 grieving villain is _____

Possible suspects

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

NAME	BLOCK POWER	PET COMPANION	PLAY STYLE	HELMET CHOICE	FEAR
Wilbur	Golden Apple	Friendly Axolotl	Right-Handed	Turtle Shell	Water Buckets
Notch	Golden Apple	Pet Ocelot	Left-Handed	Turtle Shell	Water Buckets
Tubbo	Golden Apple	Baby Zombie	Left-Handed	Turtle Shell	Cookie Crumbs
LDShadowLady	Flint and Steel	Friendly Axolotl	Left-Handed	Iron Helmet	Water Buckets
Sapnap	Diamond Pickaxe	Ridable Llama	Left-Handed	Turtle Shell	Snowballs
Technoblade	Golden Apple	Tamed Wolf	Right-Handed	Turtle Shell	Snowballs
Preston	Ender Pearl	Friendly Axolotl	Left-Handed	Gold Helmet	Snowballs
Skeppy	Flint and Steel	Pet Ocelot	Left-Handed	Turtle Shell	Snowballs
George	Ender Pearl	Ridable Llama	Left-Handed	Iron Helmet	Cookie Crumbs
Jerome	Golden Apple	Tamed Wolf	Left-Handed	Turtle Shell	Snowballs
Aphmau	Golden Apple	Friendly Axolotl	Left-Handed	Iron Helmet	Snowballs
CaptainSparklez	Flint and Steel	Baby Zombie	Left-Handed	Iron Helmet	Cookie Crumbs
Tommy	Flint and Steel	Pet Ocelot	Right-Handed	Turtle Shell	Snowballs
DanTDM	Flint and Steel	Pet Ocelot	Right-Handed	Turtle Shell	Water Buckets
Steve	Flint and Steel	Friendly Axolotl	Left-Handed	Gold Helmet	Snowballs
Stampy	Redstone Dust	Tamed Wolf	Left-Handed	Iron Helmet	Snowballs
Ranboo	Diamond Pickaxe	Tamed Wolf	Left-Handed	Turtle Shell	Snowballs
Philza	Redstone Dust	Tamed Wolf	Left-Handed	Iron Helmet	Cookie Crumbs
Alex	Redstone Dust	Ridable Llama	Left-Handed	Iron Helmet	Snowballs
Dream	Ender Pearl	Pet Ocelot	Left-Handed	Iron Helmet	Cookie Crumbs
BadBoyHalo	Diamond Pickaxe	Baby Zombie	Left-Handed	Turtle Shell	Snowballs

CLUE 1 Addition

We need to count the stolen torch blocks. Let us add the redstone torches and coal torches together to get our first clue.

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

T																			
38	62	39	96	77	39	54	34	95	26	88	30	30	54	88	77	29	81	39	96
		T																	
77	81	38	35	88	29	39	54	30	30	54	36	54							

$18 + 20 = \square \rightarrow$ T	$57 + 24 = \square \rightarrow$ O	$15 + 14 = \square \rightarrow$ D
$55 + 40 = \square \rightarrow$ Y	$14 + 21 = \square \rightarrow$ R	$22 + 14 = \square \rightarrow$ M
$10 + 24 = \square \rightarrow$ K	$47 + 49 = \square \rightarrow$ S	$16 + 23 = \square \rightarrow$ E
$24 + 53 = \square \rightarrow$ N	$35 + 27 = \square \rightarrow$ H	$42 + 46 = \square \rightarrow$ I
$21 + 9 = \square \rightarrow$ L	$34 + 20 = \square \rightarrow$ A	$19 + 7 = \square \rightarrow$ V

Scratch space:

CLUE 2 Subtraction

A creeper blew up some of our cobblestone bricks. If we subtract the broken blocks from the total, we will find the second clue.

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

T																	
82	12	46	73	25	46	22	58	17	27	43	37	37	22	43	25		
							T		T							T	
62	43	25	46	73	74	43	82	12	82	12	46	43	41	37	46	20	82
12	22	25	64														

$90 - 8 = \square \rightarrow$ T	$58 - 17 = \square \rightarrow$ R	$42 - 22 = \square \rightarrow$ F
$81 - 7 = \square \rightarrow$ W	$65 - 40 = \square \rightarrow$ N	$55 - 38 = \square \rightarrow$ Y
$108 - 35 = \square \rightarrow$ S	$30 - 8 = \square \rightarrow$ A	$97 - 39 = \square \rightarrow$ K
$87 - 25 = \square \rightarrow$ M	$29 - 2 = \square \rightarrow$ V	$58 - 12 = \square \rightarrow$ E
$77 - 34 = \square \rightarrow$ I	$75 - 11 = \square \rightarrow$ D	$44 - 7 = \square \rightarrow$ L
$31 - 19 = \square \rightarrow$ H		

Scratch space:

CLUE 3 Place value

The thief left some blocks in a chest. Let us count the tens and ones to unlock the secret box and get our third clue.

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

T																
99	30	62	57	65	95	17	22	98	78	22	75	43	65	58	65	98
34	78	40	24	43	75	40	58	57	65	54	54	43				

What number has 9 tens and 9 ones? → **T**

What number has 2 tens and 2 ones? → **U**

What number has 9 tens and 8 ones? → **Y**

What number has 5 tens and 7 ones? → **B**

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

What number has 3 tens and 4 ones? → **F**

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

What number has 2 tens and 4 ones? → **M**

What number has 1 ten and 7 ones? → **G**

What number has 9 tens and 5 ones? → **D**

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

What number has 3 tens and 0 ones? → **H**

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

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

What number has 4 tens and 3 ones? → **S**

What number has 6 tens and 5 ones? → **A**

What number has 7 tens and 5 ones? → **N**

Scratch space:

CLUE 4
Skip counting

The bad guy jumped over some fence posts. Let us skip count by fives along the path to find the fourth clue.

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

W																		
130	120	40	80	14	90	18	24	27	6	120	120	90	22	14	6	22	15	120

140	120	15	25	120	22	24	22	22	140	120	9	70	120	90	120

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

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

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

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, __, 75, 80 → **C**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, __, 16, 18 → **U**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, __, 150, 160 → **H**

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

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, __, 90, 100 → **O**

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

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, __, 30, 35 → **M**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, __, 130, 140 → **E**

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

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, __, 26, 28 → **A**

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

Skip-count by 5s. Fill the blank: 5, 10, __, 20, 25 → **L**

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

Scratch space:

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

The obsidian portal is missing some blocks. Solve for the missing number of blocks to light the portal and get the final 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:

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

$9 + \underline{\quad} = 20$

$3 + \underline{\quad} = 15$

$9 + \underline{\quad} = 15$

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

$5 + \underline{\quad} = 6$

$4 + \underline{\quad} = 13$

$1 + \underline{\quad} = 9$

$6 + \underline{\quad} = 11$

$4 + \underline{\quad} = 11$

$4 + \underline{\quad} = 7$

Step 2 - cross out the sentence with each answer:

1. The villain lit a path using a flint and steel, then jumped into the moat with a friendly axolotl.
2. The villain mined a secret tunnel with a diamond pickaxe, then fled into the night with a tamed wolf.
3. The villain mined a secret tunnel with a diamond pickaxe, then rode away quickly on a rideable llama.
4. The villain mined a secret tunnel with a diamond pickaxe, then ran away next to a tiny baby zombie.
5. The villain lit a path using a flint and steel, then fled into the night with a tamed wolf.
6. The villain wired up a redstone dust trap, then rode away quickly on a rideable llama.
7. The villain lit a path using a flint and steel, then rode away quickly on a rideable llama.
8. The villain gained super speed by eating a golden apple, then jumped into the moat with a friendly axolotl.
9. The villain wired up a redstone dust trap, then ran away next to a tiny baby zombie.
10. The villain gained super speed by eating a golden apple, then ran away next to a tiny baby zombie.
11. The villain gained super speed by eating a golden apple, then fled into the night with a tamed wolf.
12. The villain lit a path using a flint and steel, then scared off the castle creepers with a pet ocelot.

Answer Key

The Lost Ender Dragon Egg

Culprit: BadBoyHalo

Diamond Pickaxe · Baby Zombie · Left-Handed · Turtle Shell · Snowballs

Trail: Start 21 → Clue 1 18 → Clue 2 14 → Clue 3 8 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE SNEAKY VILLAIN DOES NOT RIDE A LLAMA"

$18 + 20 = 38$ (T) · $57 + 24 = 81$ (O) · $15 + 14 = 29$ (D) · $55 + 40 = 95$ (Y) · $14 + 21 = 35$ (R) · $22 + 14 = 36$ (M) · $10 + 24 = 34$ (K) · $47 + 49 = 96$ (S) · $16 + 23 = 39$ (E) · $24 + 53 = 77$ (N) · $35 + 27 = 62$ (H) · $42 + 46 = 88$ (I) · $21 + 9 = 30$ (L) · $34 + 20 = 54$ (A) · $19 + 7 = 26$ (V)

Clue 2 (Subtraction): "THE SNEAKY VILLAIN MINES WITH THEIR LEFT HAND"

$90 - 8 = 82$ (T) · $58 - 17 = 41$ (R) · $42 - 22 = 20$ (F) · $81 - 7 = 74$ (W) · $65 - 40 = 25$ (N) · $55 - 38 = 17$ (Y) · $108 - 35 = 73$ (S) · $30 - 8 = 22$ (A) · $97 - 39 = 58$ (K) · $87 - 25 = 62$ (M) · $29 - 2 = 27$ (V) · $58 - 12 = 46$ (E) · $77 - 34 = 43$ (I) · $75 - 11 = 64$ (D) · $44 - 7 = 37$ (L) · $31 - 19 = 12$ (H)

Clue 3 (Place value): "THE BAD GUY RUNS AWAY FROM SNOWBALLS"

What number has 9 tens and 9 ones? = 99 (T) · What number has 2 tens and 2 ones? = 22 (U) · What number has 9 tens and 8 ones? = 98 (Y) · What number has 5 tens and 7 ones? = 57 (B) · What number has 7 tens and 8 ones? = 78 (R) · What number has 3 tens and 4 ones? = 34 (F) · What number has 4 tens and 0 ones? = 40 (O) · What number has 2 tens and 4 ones? = 24 (M) · What number has 1 ten and 7 ones? = 17 (G) · What number has 9 tens and 5 ones? = 95 (D) · What number has 6 tens and 2 ones? = 62 (E) · What number has 3 tens and 0 ones? = 30 (H) · What number has 5 tens and 4 ones? = 54 (L) · What number has 5 tens and 8 ones? = 58 (W) · What number has 4 tens and 3 ones? = 43 (S) · What number has 6 tens and 5 ones? = 65 (A) · What number has 7 tens and 5 ones? = 75 (N)

Clue 4 (Skip counting): "WE FOUND A GREEN TURTLE HELMET AT THE SCENE"

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, __, 140, 150 = 130 (W) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, __, 100, 110 = 90 (N) · Skip-count by 2s. Fill the blank: 2, 4, __, 8, 10 = 6 (R) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, __, 75, 80 = 70 (C) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, __, 16, 18 = 14 (U) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, __, 150, 160 = 140 (H) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, __, 24, 26 = 22 (T) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, __, 90, 100 = 80 (O) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, __, 20, 22 = 18 (D) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, __, 30, 35 = 25 (M) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, __, 130, 140 = 120 (E) · Skip-count by 3s. Fill the blank: 3, 6, __, 12, 15 = 9 (S) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, __, 26, 28 = 24 (A) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, __, 30, 33 = 27 (G) · Skip-count by 5s. Fill the blank: 5, 10, __, 20, 25 = 15 (L) · Skip-count by 10s. Fill the blank: 10, 20, 30, __, 50, 60 = 40 (F)

Clue 5 (Missing addends): surviving statement is box 4 → BadBoyHalo

$6 + \underline{\quad} = 8 = 2$ · $9 + \underline{\quad} = 20 = 11$ · $3 + \underline{\quad} = 15 = 12$ · $9 + \underline{\quad} = 15 = 6$ · $6 + \underline{\quad} = 16 = 10$ · $5 + \underline{\quad} = 6 = 1$ · $4 + \underline{\quad} = 13 = 9$ · $1 + \underline{\quad} = 9 = 8$ · $6 + \underline{\quad} = 11 = 5$ · $4 + \underline{\quad} = 11 = 7$ · $4 + \underline{\quad} = 7 = 3$