



# 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

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