



# The Craftia Block Heist

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

Detective: \_\_\_\_\_ Date: \_\_\_\_\_

Oh no! The golden bell has been stolen from Craftia! The Ender Thief left blocky footprints in the grass. We must find them!

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 the Ender Thief is \_\_\_\_\_

## Possible suspects

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

| NAME     | TOOL OF CHOICE    | SPECIAL BLOCK  | HOLDING HAND | HELMET TYPE  | FEARED MOB   |
|----------|-------------------|----------------|--------------|--------------|--------------|
| Grian    | netherite pickaxe | tnt block      | right handed | iron helmet  | ender dragon |
| Preston  | netherite pickaxe | glowstone      | left handed  | iron helmet  | creeper hiss |
| Aphmau   | stone axe         | tnt block      | left handed  | iron helmet  | ender dragon |
| Steve    | diamond sword     | glowstone      | right handed | gold helmet  | ender dragon |
| Stampy   | enchanted bow     | tnt block      | right handed | turtle shell | ender dragon |
| Sky      | golden shovel     | tnt block      | right handed | turtle shell | ender dragon |
| Skeppy   | diamond sword     | glowstone      | left handed  | iron helmet  | ender dragon |
| Dream    | golden shovel     | slime block    | right handed | gold helmet  | ender dragon |
| Sapnap   | golden shovel     | glowstone      | left handed  | turtle shell | angry wolf   |
| Etho     | diamond sword     | tnt block      | left handed  | iron helmet  | ender dragon |
| Cookie   | enchanted bow     | slime block    | left handed  | turtle shell | creeper hiss |
| Jen      | diamond sword     | glowstone      | left handed  | turtle shell | angry wolf   |
| Lizzie   | stone axe         | glowstone      | left handed  | iron helmet  | ender dragon |
| Bacon    | stone axe         | slime block    | left handed  | iron helmet  | ender dragon |
| DanTDM   | stone axe         | obsidian block | right handed | turtle shell | creeper hiss |
| Sparklez | golden shovel     | tnt block      | left handed  | iron helmet  | creeper hiss |
| AntVenom | golden shovel     | obsidian block | left handed  | turtle shell | angry wolf   |
| Pixel    | enchanted bow     | slime block    | right handed | gold helmet  | creeper hiss |
| George   | diamond sword     | redstone ore   | left handed  | iron helmet  | creeper hiss |
| Joel     | enchanted bow     | tnt block      | right handed | gold helmet  | ender dragon |
| Alex     | netherite pickaxe | obsidian block | left handed  | turtle shell | ender dragon |

**CLUE 1**   **Addition**

Let us count the raw iron blocks we found in the mine. Add the two piles together to find the first clue!

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

|                                                                                                   |                                                                                                    |                                                                                     |                                                                      |                                                                    |                                      |
|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------|
| <div><div>T</div><div></div><div></div></div> <div>3   6   20</div>                               | <div><div></div><div></div><div></div></div> <div>14   18   20</div>                               | <div><div></div><div></div><div></div><div></div></div> <div>10   18   20   2</div> | <div><div></div><div></div><div>T</div></div> <div>13   18   3</div> | <div><div></div><div></div><div></div></div> <div>8   2   20</div> | <div><div></div></div> <div>11</div> |
| <div><div></div><div></div><div></div><div></div><div></div></div> <div>2   7   4   17   20</div> | <div><div></div><div></div><div></div><div></div><div></div></div> <div>19   7   18   12   9</div> |                                                                                     |                                                                      |                                                                    |                                      |

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

$5 + 1 = \square \rightarrow \boxed{\text{H}}$

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

$10 + 3 = \square \rightarrow \boxed{\text{N}}$

$5 + 5 = \square \rightarrow \boxed{\text{D}}$

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

$6 + 2 = \square \rightarrow \boxed{\text{U}}$

$2 + 2 = \square \rightarrow \boxed{\text{I}}$

$5 + 7 = \square \rightarrow \boxed{\text{C}}$

$1 + 1 = \square \rightarrow \boxed{\text{S}}$

$7 + 12 = \square \rightarrow \boxed{\text{B}}$

$3 + 4 = \square \rightarrow \boxed{\text{L}}$

$6 + 14 = \square \rightarrow \boxed{\text{E}}$

$3 + 8 = \square \rightarrow \boxed{\text{A}}$

$7 + 7 = \square \rightarrow \boxed{\text{F}}$

$8 + 10 = \square \rightarrow \boxed{\text{O}}$

Scratch space:

CLUE 2

# Subtraction

We had a stack of redstone, but some fell into the lava. Subtract the lost blocks to read the next clue.

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

|    |    |    |    |   |   |   |    |    |   |    |    |    |    |    |    |
|----|----|----|----|---|---|---|----|----|---|----|----|----|----|----|----|
| W  |    |    |    | W |   |   |    |    |   |    |    |    |    |    |    |
| 6  | 13 | 10 | 14 | 6 | 3 | 2 | 13 | 11 | 5 | 18 | 18 | 14 | 5  | 7  |    |
|    | W  |    |    |   | W |   |    |    |   |    |    |    |    |    |    |
| 10 | 6  | 5  | 7  | 4 | 6 | 5 | 3  | 2  | 3 | 2  | 13 | 5  | 12 | 18 | 13 |
|    |    |    |    |   |   |   |    |    |   |    |    |    |    |    |    |
|    |    |    |    |   |   |   |    |    |   |    |    |    |    |    |    |
| 2  | 14 | 7  | 15 |   |   |   |    |    |   |    |    |    |    |    |    |

|                                          |                                          |                                          |                                          |
|------------------------------------------|------------------------------------------|------------------------------------------|------------------------------------------|
| 15 - 9 = <input type="text"/> → <b>W</b> | 16 - 1 = <input type="text"/> → <b>D</b> | 13 - 5 = <input type="text"/> → <b>F</b> |                                          |
| 12 - 8 = <input type="text"/> → <b>G</b> | 14 - 2 = <input type="text"/> → <b>R</b> | 10 - 8 = <input type="text"/> → <b>H</b> | 8 - 3 = <input type="text"/> → <b>I</b>  |
| 20 - 7 = <input type="text"/> → <b>E</b> | 11 - 8 = <input type="text"/> → <b>T</b> | 20 - 6 = <input type="text"/> → <b>A</b> |                                          |
| 14 - 3 = <input type="text"/> → <b>V</b> | 9 - 2 = <input type="text"/> → <b>N</b>  | 15 - 5 = <input type="text"/> → <b>S</b> | 19 - 1 = <input type="text"/> → <b>L</b> |

Scratch space:

## CLUE 3 Skip counting

Count the emeralds by fives. Each chest has a small stack. Keep skip counting to unlock this clue!

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

|    |   |    |    |    |    |    |     |    |    |     |   |    |    |    |    |    |    |     |    |
|----|---|----|----|----|----|----|-----|----|----|-----|---|----|----|----|----|----|----|-----|----|
| T  |   |    |    |    |    |    |     |    |    |     |   |    |    |    |    |    |    |     | T  |
| 33 | 6 | 80 | 22 | 42 | 10 | 10 | 120 | 42 | 24 | 130 | 6 | 42 | 22 | 80 | 25 | 80 | 26 | 120 | 33 |

  

|    |   |    |    |    |     |    |    |    |    |    |     |    |
|----|---|----|----|----|-----|----|----|----|----|----|-----|----|
| T  |   |    |    |    |     |    |    |    |    |    |     |    |
| 33 | 6 | 80 | 26 | 25 | 120 | 40 | 55 | 24 | 25 | 55 | 120 | 25 |

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, \_\_, 36, 39 → **T**

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

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, \_\_, 12, 14 → **L**

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

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 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, \_\_, 27, 30 → **N**

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

Skip-count by 2s. Fill the blank: 2, 4, \_\_, 8, 10 → **H**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, \_\_, 45, 50 → **G**

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

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, \_\_, 30, 35 → **R**

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

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, \_\_, 45, 48 → **I**

Scratch space:

## CLUE 4 Place value

We found a secret chest with stacks of ten torches and some extra ones. Look at the place values to open it!

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

|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| W  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 86 | 93 | 72 | 65 | 29 | 17 | 66 | 61 | 62 | 56 | 45 | 17 | 78 | 45 | 64 | 65 | 17 |
|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 56 | 93 | 11 | 97 | 93 | 50 | 61 | 50 | 50 | 56 | 93 | 62 | 45 | 50 | 93 |    |    |

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

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

What number has 6 tens and 1 one?  → **A**

What number has 1 ten and 1 one?  → **L**

What number has 5 tens and 0 ones?  → **T**

What number has 2 tens and 9 ones?  → **U**

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

What number has 9 tens and 7 ones?  → **M**

What number has 7 tens and 2 ones?  → **F**

What number has 9 tens and 3 ones?  → **E**

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

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

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

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

What number has 6 tens and 6 ones?  → **D**

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

Scratch space:

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

The village bridge needs ten blocks, but some are missing. Find the missing number to 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:**

$1 + \underline{\quad} = 3$

$2 + \underline{\quad} = 3$

$5 + \underline{\quad} = 17$

$9 + \underline{\quad} = 13$

$10 + \underline{\quad} = 21$

$10 + \underline{\quad} = 16$

$3 + \underline{\quad} = 13$

$8 + \underline{\quad} = 15$

$10 + \underline{\quad} = 18$

$6 + \underline{\quad} = 9$

$5 + \underline{\quad} = 10$

**Step 2 - cross out the sentence with each answer:**

1. The villain digs a deep tunnel, then rides a pink pig.
2. The villain shears a fluffy sheep, then rides a pink pig.
3. The villain shears a fluffy sheep, then eats a sweet berry.
4. The villain mines some shiny ore, then eats a sweet berry.
5. The villain crafts a wooden chest, then rides a pink pig.
6. The villain mines some shiny ore, then tames a wild wolf.
7. The villain digs a deep tunnel, then tames a wild wolf.
8. The villain crafts a wooden chest, then places a torch.
9. The villain digs a deep tunnel, then places a torch.
10. The villain mines some shiny ore, then rides a pink pig.
11. The villain builds a high wall, then brews a swift potion.
12. The villain shears a fluffy sheep, then places a torch.

# Answer Key

## The Craftia Block Heist

### Culprit: Etho

diamond sword · tnt block · left handed · iron helmet · ender dragon

Trail: Start 21 → Clue 1 17 → Clue 2 11 → Clue 3 5 → Clue 4 4 → Clue 5 1

### Clue 1 (Addition): "THE FOE DOES NOT USE A SLIME BLOCK"

$2 + 1 = 3$  (T) ·  $5 + 1 = 6$  (H) ·  $10 + 7 = 17$  (M) ·  $10 + 3 = 13$  (N) ·  $5 + 5 = 10$  (D) ·  $6 + 3 = 9$  (K) ·  $6 + 2 = 8$  (U) ·  $2 + 2 = 4$  (I) ·  $5 + 7 = 12$  (C) ·  $1 + 1 = 2$  (S) ·  $7 + 12 = 19$  (B) ·  $3 + 4 = 7$  (L) ·  $6 + 14 = 20$  (E) ·  $3 + 8 = 11$  (A) ·  $7 + 7 = 14$  (F) ·  $8 + 10 = 18$  (O)

### Clue 2 (Subtraction): "WE SAW THE VILLAIN SWING WITH THEIR LEFT HAND"

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

### Clue 3 (Skip counting): "THE VILLAIN SHIVERED AT THE DRAGON ROAR"

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, \_\_, 36, 39 = 33 (T) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, \_\_, 60, 65 = 55 (O) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, \_\_, 12, 14 = 10 (L) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, \_\_, 28, 30 = 26 (D) · 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 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, \_\_, 27, 30 = 24 (N) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, \_\_, 130, 140 = 120 (A) · Skip-count by 2s. Fill the blank: 2, 4, \_\_, 8, 10 = 6 (H) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, \_\_, 45, 50 = 40 (G) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, \_\_, 90, 100 = 80 (E) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, \_\_, 30, 35 = 25 (R) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, \_\_, 24, 26 = 22 (V) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, \_\_, 45, 48 = 42 (I)

### Clue 4 (Place value): "WE FOUND A SHINY IRON HELMET AT THE SITE"

What number has 8 tens and 6 ones? = 86 (W) · What number has 6 tens and 2 ones? = 62 (S) · What number has 6 tens and 1 one? = 61 (A) · What number has 1 ten and 1 one? = 11 (L) · What number has 5 tens and 0 ones? = 50 (T) · What number has 2 tens and 9 ones? = 29 (U) · What number has 6 tens and 4 ones? = 64 (R) · What number has 9 tens and 7 ones? = 97 (M) · What number has 7 tens and 2 ones? = 72 (F) · What number has 9 tens and 3 ones? = 93 (E) · What number has 7 tens and 8 ones? = 78 (Y) · What number has 6 tens and 5 ones? = 65 (O) · What number has 5 tens and 6 ones? = 56 (H) · What number has 1 ten and 7 ones? = 17 (N) · What number has 6 tens and 6 ones? = 66 (D) · What number has 4 tens and 5 ones? = 45 (I)

### Clue 5 (Missing addends): surviving statement is box 9 → Etho

$1 + \underline{\quad} = 3 = 2$  ·  $2 + \underline{\quad} = 3 = 1$  ·  $5 + \underline{\quad} = 17 = 12$  ·  $9 + \underline{\quad} = 13 = 4$  ·  $10 + \underline{\quad} = 21 = 11$  ·  $10 + \underline{\quad} = 16 = 6$  ·  $3 + \underline{\quad} = 13 = 10$  ·  $8 + \underline{\quad} = 15 = 7$  ·  $10 + \underline{\quad} = 18 = 8$  ·  $6 + \underline{\quad} = 9 = 3$  ·  $5 + \underline{\quad} = 10 = 5$