The Great Block Bandit of Craftoria

Grade 3 math · Addition, Subtraction, Multiplication, Word problems, Division · Reading level grades 1-2

Detective: _____ **Date:** _____

Someone swiped the golden block from the town square! Solve the clues to find the bandit.

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 Block Bandit is _____

Possible suspects

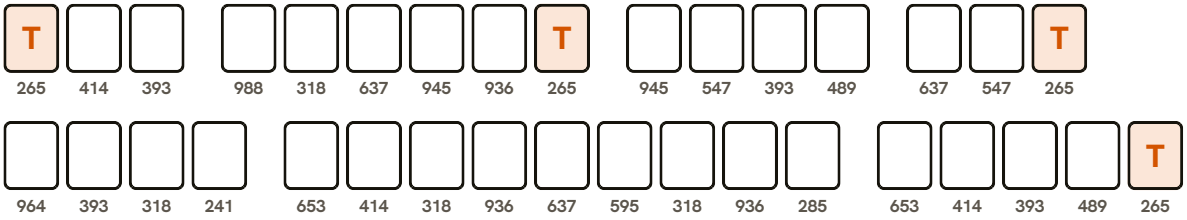
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	TOOL	ARMOR	STANCE	CAP COLOR	FEAR
Ella	Golden Shovel	Leather Boots	Right Handed	Red Cap	Loud Bell
Ivy	Iron Pickaxe	Netherite Helmet	Left Handed	Green Cap	Loud Bell
Cole	Stone Hoe	Leather Boots	Left Handed	Green Cap	Water Bucket
Kai	Diamond Sword	Turtle Shell	Right Handed	Blue Cap	Loud Bell
Zoe	Diamond Sword	Chainmail Chest	Left Handed	Red Cap	Splash Potion
Eli	Bow and Arrow	Turtle Shell	Left Handed	Green Cap	Loud Bell
Finn	Bow and Arrow	Netherite Helmet	Right Handed	Green Cap	Loud Bell
Luna	Bow and Arrow	Turtle Shell	Right Handed	Blue Cap	Splash Potion
Leo	Golden Shovel	Chainmail Chest	Left Handed	Green Cap	Loud Bell
Luke	Stone Hoe	Netherite Helmet	Left Handed	Green Cap	Water Bucket
Ava	Diamond Sword	Netherite Helmet	Right Handed	Red Cap	Splash Potion
Noah	Diamond Sword	Gold Tunic	Left Handed	Blue Cap	Water Bucket
Cody	Iron Pickaxe	Leather Boots	Left Handed	Green Cap	Loud Bell
Max	Golden Shovel	Turtle Shell	Left Handed	Green Cap	Splash Potion
Alex	Bow and Arrow	Turtle Shell	Left Handed	Red Cap	Loud Bell
Maya	Bow and Arrow	Gold Tunic	Left Handed	Green Cap	Water Bucket
Jax	Iron Pickaxe	Gold Tunic	Left Handed	Red Cap	Loud Bell
Steve	Diamond Sword	Turtle Shell	Right Handed	Red Cap	Splash Potion
Mia	Bow and Arrow	Netherite Helmet	Right Handed	Green Cap	Water Bucket
Zane	Bow and Arrow	Leather Boots	Right Handed	Green Cap	Splash Potion
Owen	Stone Hoe	Gold Tunic	Left Handed	Green Cap	Loud Bell

CLUE 1 Addition

We count all the stray redstone blocks found near the wall to unlock the first clue.

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



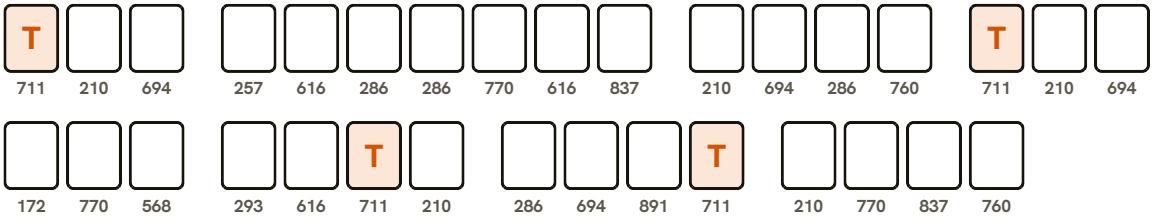
129 + 136 = ☐ → T	470 + 466 = ☐ → I	165 + 324 = ☐ → S
303 + 350 = ☐ → C	115 + 126 = ☐ → R	645 + 300 = ☐ → D
136 + 278 = ☐ → H	129 + 264 = ☐ → E	476 + 512 = ☐ → B
436 + 528 = ☐ → W	316 + 231 = ☐ → O	126 + 159 = ☐ → L
319 + 276 = ☐ → M	124 + 194 = ☐ → A	413 + 224 = ☐ → N

Scratch space:

CLUE 2 Subtraction

We subtract the dropped torches from our supply pile to clear the path.

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



920 - 209 = ☐ → T

621 - 364 = ☐ → V

719 - 25 = ☐ → E

1036 - 199 = ☐ → N

819 - 203 = ☐ → I

218 - 46 = ☐ → M

369 - 83 = ☐ → L

677 - 384 = ☐ → W

825 - 257 = ☐ → P

921 - 151 = ☐ → A

216 - 6 = ☐ → H

853 - 93 = ☐ → D

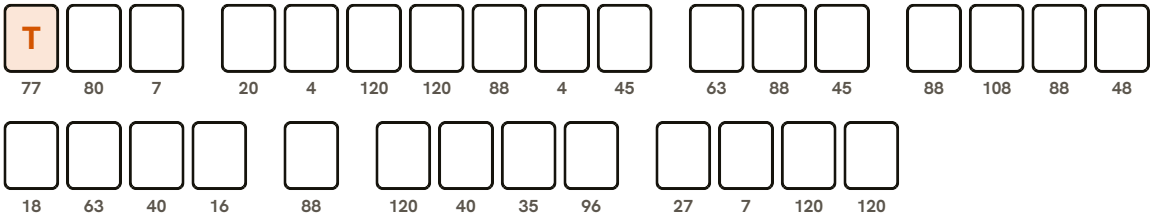
1125 - 234 = ☐ → F

Scratch space:

CLUE 3 Multiplication facts (1-12)

> We check four equal rows of obsidian blocks to uncover a secret hint.

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



7 × 11 = ☐ → T	5 × 7 = ☐ → U	8 × 10 = ☐ → H
5 × 8 = ☐ → O	12 × 8 = ☐ → D	9 × 5 = ☐ → N	2 × 9 = ☐ → F
9 × 7 = ☐ → R	5 × 4 = ☐ → V	3 × 9 = ☐ → B	8 × 2 = ☐ → M
7 × 1 = ☐ → E	10 × 12 = ☐ → L	12 × 9 = ☐ → W
6 × 8 = ☐ → Y	2 × 2 = ☐ → I	8 × 11 = ☐ → A

Scratch space:

CLUE 4 Word problems

Builder Sam needs help counting crafting items to read the note.

Solve each problem, then write its letter in the boxes to fill in the missing word.

A strand of

G							
52	24	71	71	27	51	14	26

hair turned up at the scene.

There were 55 redstone block. 3 were used up. How many redstone block are left?

Answer: ☐ → G

Builder Sam found 7 golden apple yesterday and 20 more today. How many golden apple in all?

Answer: ☐ → N

There were 40 golden apple. 26 were used up. How many golden apple are left?

Answer: ☐ → A

Builder Sam found 55 oak log yesterday and 16 more today. How many oak log in all?

Answer: ☐ → E

Builder Sam found 15 oak log yesterday and 11 more today. How many oak log in all?

Answer: ☐ → P

There were 79 emerald gem. 28 were used up. How many emerald gem are left?

Answer: ☐ → C

There were 50 golden apple. 26 were used up. How many golden apple are left?

Answer: ☐ → R

Scratch space:

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

> We divide the extra emeralds evenly among the guards to 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:

42 ÷ 7 = ☐	84 ÷ 7 = ☐	9 ÷ 3 = ☐	4 ÷ 1 = ☐	12 ÷ 12 = ☐
20 ÷ 10 = ☐	72 ÷ 9 = ☐	21 ÷ 3 = ☐	88 ÷ 8 = ☐	63 ÷ 7 = ☐
50 ÷ 5 = ☐				

Step 2 - cross out the sentence with each answer:

1. The villain shoots a bow and arrow, then laces up leather boots.
2. The villain swings a diamond sword, then straps on chainmail chest armor.
3. The villain digs with an iron pickaxe, then laces up leather boots.
4. The villain shoots a bow and arrow, then straps on chainmail chest armor.
5. The villain shoots a bow and arrow, then wears a turtle shell.
6. The villain farms with a stone hoe, then shines a gold tunic.
7. The villain digs with an iron pickaxe, then shines a gold tunic.
8. The villain scoops with a golden shovel, then shines a gold tunic.
9. The villain digs with an iron pickaxe, then straps on chainmail chest armor.
10. The villain digs with an iron pickaxe, then wears a turtle shell.
11. The villain scoops with a golden shovel, then wears a turtle shell.
12. The villain digs with an iron pickaxe, then puts on a netherite helmet.

TEACHER / PARENT

Answer Key

The Great Block Bandit of Craftoria

Culprit: Eli

Bow and Arrow · Turtle Shell · Left Handed · Green Cap · Loud Bell

Trail: Start 21 → Clue 1 19 → Clue 2 11 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE BANDIT DOES NOT WEAR CHAINMAIL CHEST"

129 + 136 = 265 (T) · 470 + 466 = 936 (I) · 165 + 324 = 489 (S) · 303 + 350 = 653 (C) · 115 + 126 = 241 (R) · 645 + 300 = 945 (D) · 136 + 278 = 414 (H) · 129 + 264 = 393 (E) · 476 + 512 = 988 (B) · 436 + 528 = 964 (W) · 316 + 231 = 547 (O) · 126 + 159 = 285 (L) · 319 + 276 = 595 (M) · 124 + 194 = 318 (A) · 413 + 224 = 637 (N)

Clue 2 (Subtraction): "THE VILLAIN HELD THE MAP WITH LEFT HAND"

920 - 209 = 711 (T) · 621 - 364 = 257 (V) · 719 - 25 = 694 (E) · 1036 - 199 = 837 (N) · 819 - 203 = 616 (I) · 218 - 46 = 172 (M) · 369 - 83 = 286 (L) · 677 - 384 = 293 (W) · 825 - 257 = 568 (P) · 921 - 151 = 770 (A) · 216 - 6 = 210 (H) · 853 - 93 = 760 (D) · 1125 - 234 = 891 (F)

Clue 3 (Multiplication facts (1-12)): "THE VILLAIN RAN AWAY FROM A LOUD BELL"

7 × 11 = 77 (T) · 5 × 7 = 35 (U) · 8 × 10 = 80 (H) · 5 × 8 = 40 (O) · 12 × 8 = 96 (D) · 9 × 5 = 45 (N) · 2 × 9 = 18 (F) · 9 × 7 = 63 (R) · 5 × 4 = 20 (V) · 3 × 9 = 27 (B) · 8 × 2 = 16 (M) · 7 × 1 = 7 (E) · 10 × 12 = 120 (L) · 12 × 9 = 108 (W) · 6 × 8 = 48 (Y) · 2 × 2 = 4 (I) · 8 × 11 = 88 (A)

Clue 4 (Word problems): "GREEN CAP"

There were 55 redstone block. 3 were used up. How many redstone block are left? = 52 (G) · Builder Sam found 7 golden apple yesterday and 20 more today. How many golden apple in all? = 27 (N) · There were 40 golden apple. 26 were used up. How many golden apple are left? = 14 (A) · Builder Sam found 55 oak log yesterday and 16 more today. How many oak log in all? = 71 (E) · Builder Sam found 15 oak log yesterday and 11 more today. How many oak log in all? = 26 (P) · There were 79 emerald gem. 28 were used up. How many emerald gem are left? = 51 (C) · There were 50 golden apple. 26 were used up. How many golden apple are left? = 24 (R)

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

42 ÷ 7 = 6 · 84 ÷ 7 = 12 · 9 ÷ 3 = 3 · 4 ÷ 1 = 4 · 12 ÷ 12 = 1 · 20 ÷ 10 = 2 · 72 ÷ 9 = 8 · 21 ÷ 3 = 7 · 88 ÷ 8 = 11 · 63 ÷ 7 = 9 · 50 ÷ 5 = 10