The Great Block Heist of Craft City

Grade 4 math · Rounding, Addition, Subtraction, Multiplication, Division · Reading level grades 3-4

Detective: _____ **Date:** _____

Someone raided the Master Architect's vault and stole the legendary Golden Beacon! The griefing bandit left behind pixelated footprints and redstone dust across the server. Use your math skills to decode the evidence and stop the thief!

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 Griefing Bandit is _____

Possible suspects

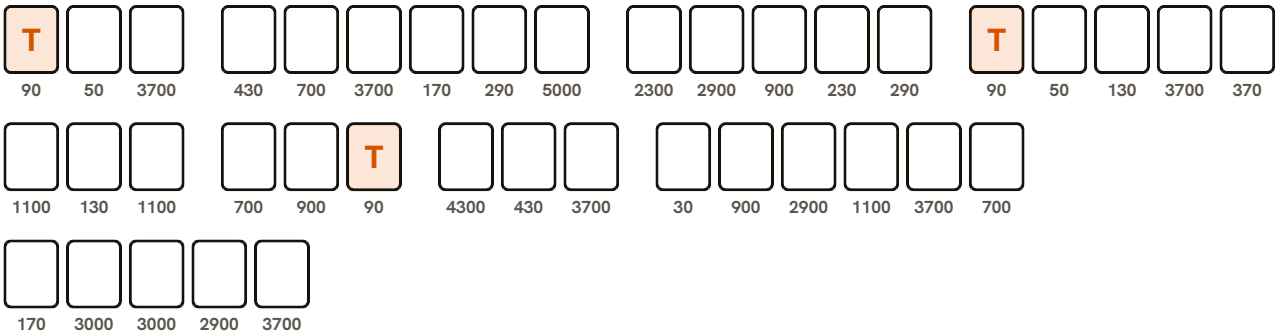
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	ATTACK MOVE	SPECIAL TOOL	DOMINANT HAND	HELMET STYLE	SECRET WEAKNESS
BuilderBen	TNT Blast	Diamond Pick	Left Handed Swinger	Neon Green Crest	Iron Golem Whack
Aphmau	Slime Bounce	Nether Star	Left Handed Swinger	Neon Green Crest	Water Bucket Splash
MumboJumbo	Obsidian Shield	Elytra Wings	Left Handed Swinger	Neon Green Crest	Water Bucket Splash
HermitCrafty	Ender Teleport	Lava Bucket	Right Handed Swinger	Square Purple Cap	Iron Golem Whack
EthosLab	Slime Bounce	Golden Apple	Right Handed Swinger	Square Purple Cap	Iron Golem Whack
PixelPete	Redstone Blast	Diamond Pick	Right Handed Swinger	Blocky Yellow Helm	Music Disc Song
BdoubleO100	TNT Blast	Golden Apple	Right Handed Swinger	Neon Green Crest	Iron Golem Whack
VoxelValerie	TNT Blast	Elytra Wings	Right Handed Swinger	Neon Green Crest	Iron Golem Whack
CraftyClaire	Ender Teleport	Nether Star	Right Handed Swinger	Blocky Yellow Helm	Music Disc Song
LDShadowLady	Ender Teleport	Nether Star	Left Handed Swinger	Neon Green Crest	Music Disc Song
DanTDM	Redstone Blast	Elytra Wings	Right Handed Swinger	Blocky Yellow Helm	Iron Golem Whack
ImpulseSV	Obsidian Shield	Lava Bucket	Right Handed Swinger	Neon Green Crest	Water Bucket Splash
Docm77	Redstone Blast	Diamond Pick	Right Handed Swinger	Neon Green Crest	Music Disc Song
AlexCraft	Redstone Blast	Nether Star	Left Handed Swinger	Neon Green Crest	Iron Golem Whack
ZombieCleo	TNT Blast	Lava Bucket	Right Handed Swinger	Neon Green Crest	Iron Golem Whack
CaptainSparklez	TNT Blast	Lava Bucket	Right Handed Swinger	Blocky Yellow Helm	Water Bucket Splash
StampyCat	TNT Blast	Golden Apple	Right Handed Swinger	Neon Green Crest	Music Disc Song
RedstoneRiley	Obsidian Shield	Diamond Pick	Right Handed Swinger	Neon Green Crest	Iron Golem Whack
Smallishbeans	Redstone Blast	Diamond Pick	Right Handed Swinger	Neon Green Crest	Iron Golem Whack
Grian	Ender Teleport	Diamond Pick	Left Handed Swinger	Square Purple Cap	Music Disc Song
GoodTimesWithScar	Obsidian Shield	Diamond Pick	Left Handed Swinger	Square Purple Cap	Music Disc Song

CLUE 1 Rounding

> The pixelated sensor panel is cracked and only displays rounded numbers, but decoding the readout reveals your first hint.

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



Round 92 to the nearest ten ☐ → T

Round 371 to the nearest ten ☐ → F

Round 860 to the nearest hundred ☐ → O

Round 174 to the nearest ten ☐ → A

Round 2,337 to the nearest hundred ☐ → B

Round 658 to the nearest hundred ☐ → N

Round 430 to the nearest ten ☐ → S

Round 234 to the nearest ten ☐ → C

Round 2,894 to the nearest hundred ☐ → L

Round 2,786 to the nearest thousand ☐ → P

Round 133 to the nearest ten ☐ → I

Round 5,386 to the nearest thousand ☐ → Y

Round 1,059 to the nearest hundred ☐ → D

Round 32 to the nearest ten ☐ → G

Round 4,346 to the nearest hundred ☐ → U

Round 54 to the nearest ten ☐ → H

Round 291 to the nearest ten ☐ → K

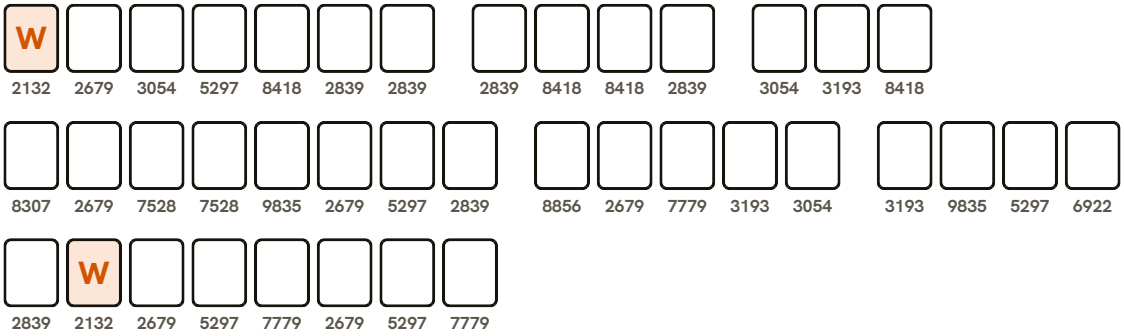
Round 3,732 to the nearest hundred ☐ → E

Scratch space:

CLUE 2 Addition

You tally up all the extra redstone torches scattered across the build site to gather more clues.

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



1371 + 761 = ☐ → W

855 + 1984 = ☐ → S

5733 + 3123 = ☐ → R

4313 + 2609 = ☐ → D

4918 + 3389 = ☐ → V

1152 + 2041 = ☐ → H

1958 + 1096 = ☐ → T

1589 + 1090 = ☐ → I

4665 + 5170 = ☐ → A

4852 + 2927 = ☐ → G

3317 + 1980 = ☐ → N

3322 + 5096 = ☐ → E

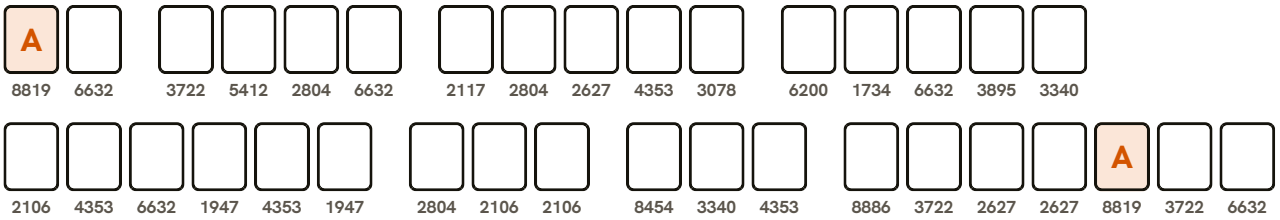
4186 + 3342 = ☐ → L

Scratch space:

CLUE 3 Subtraction

> After calculating how many obsidian blocks were taken from the warehouse inventory, a new detail comes into focus.

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



9488 - 669 = ☐ → A

7463 - 3741 = ☐ → I

8615 - 3203 = ☐ → R

3881 - 2147 = ☐ → U

5370 - 2743 = ☐ → L

11124 - 4492 = ☐ → N

10530 - 4330 = ☐ → P

4447 - 2341 = ☐ → F

5832 - 3715 = ☐ → G

11102 - 2648 = ☐ → T

5268 - 3321 = ☐ → D

5602 - 1707 = ☐ → C

9484 - 598 = ☐ → V

3893 - 1089 = ☐ → O

4987 - 1909 = ☐ → M

4365 - 1025 = ☐ → H

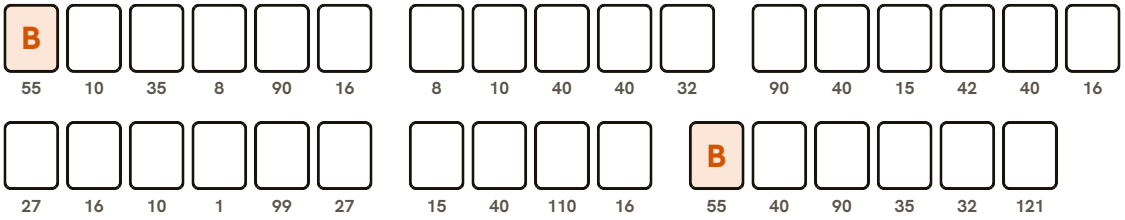
8818 - 4465 = ☐ → E

Scratch space:

CLUE 4 Multiplication facts (1-12)

> Inspecting rows of crafting tables arranged in neat rows helps you uncover key evidence from the scene.

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



11 × 5 = ☐ → **B**

9 × 10 = ☐ → **H**

2 × 8 = ☐ → **T**

5 × 7 = ☐ → **I**

9 × 11 = ☐ → **P**

3 × 9 = ☐ → **S**

2 × 4 = ☐ → **G**

1 × 1 = ☐ → **A**

10 × 11 = ☐ → **F**

11 × 11 = ☐ → **D**

5 × 3 = ☐ → **L**

4 × 10 = ☐ → **E**

6 × 7 = ☐ → **M**

5 × 2 = ☐ → **R**

4 × 8 = ☐ → **N**

Scratch space:

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

> You split the recovered emeralds evenly among the village chests to crack the final code.

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:

16 ÷ 2 = ☐	40 ÷ 4 = ☐	9 ÷ 1 = ☐	11 ÷ 1 = ☐	9 ÷ 3 = ☐
60 ÷ 5 = ☐	56 ÷ 8 = ☐	7 ÷ 7 = ☐	60 ÷ 10 = ☐	36 ÷ 9 = ☐
15 ÷ 3 = ☐				

Step 2 - cross out the sentence with each answer:

1. The villain bounced off the bedrock, then glided away with elytra wings.
2. The villain zapped the build with redstone, then mined through with a diamond pick.
3. The villain bounced off the bedrock, then mined through with a diamond pick.
4. The villain bounced off the bedrock, then flashed a nether star.
5. The villain zapped the build with redstone, then scooped up a lava bucket.
6. The villain warped behind the vault, then munched a golden apple.
7. The villain bounced off the bedrock, then scooped up a lava bucket.
8. The villain blocked the path with obsidian, then mined through with a diamond pick.
9. The villain blew open the wall with tnt, then scooped up a lava bucket.
10. The villain blew open the wall with tnt, then glided away with elytra wings.
11. The villain warped behind the vault, then flashed a nether star.
12. The villain warped behind the vault, then scooped up a lava bucket.

TEACHER / PARENT

Answer Key

The Great Block Heist of Craft City

Culprit: Smallishbeans

Redstone Blast · Diamond Pick · Right Handed Swinger · Neon Green Crest · Iron Golem Whack

Trail: Start 21 → Clue 1 18 → Clue 2 11 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE SNEAKY BLOCK THIEF DID NOT USE GOLDEN APPLE"

Round 92 to the nearest ten = 90 (T) · Round 371 to the nearest ten = 370 (F) · Round 860 to the nearest hundred = 900 (O) · Round 174 to the nearest ten = 170 (A) · Round 2,337 to the nearest hundred = 2300 (B) · Round 658 to the nearest hundred = 700 (N) · Round 430 to the nearest ten = 430 (S) · Round 234 to the nearest ten = 230 (C) · Round 2,894 to the nearest hundred = 2900 (L) · Round 2,786 to the nearest thousand = 3000 (P) · Round 133 to the nearest ten = 130 (I) · Round 5,386 to the nearest thousand = 5000 (Y) · Round 1,059 to the nearest hundred = 1100 (D) · Round 32 to the nearest ten = 30 (G) · Round 4,346 to the nearest hundred = 4300 (U) · Round 54 to the nearest ten = 50 (H) · Round 291 to the nearest ten = 290 (K) · Round 3,732 to the nearest hundred = 3700 (E)

Clue 2 (Addition): "WITNESS SEES THE VILLAINS RIGHT HAND SWINGING"

1371 + 761 = 2132 (W) · 855 + 1984 = 2839 (S) · 5733 + 3123 = 8856 (R) · 4313 + 2609 = 6922 (D) · 4918 + 3389 = 8307 (V) · 1152 + 2041 = 3193 (H) · 1958 + 1096 = 3054 (T) · 1589 + 1090 = 2679 (I) · 4665 + 5170 = 9835 (A) · 4852 + 2927 = 7779 (G) · 3317 + 1980 = 5297 (N) · 3322 + 5096 = 8418 (E) · 4186 + 3342 = 7528 (L)

Clue 3 (Subtraction): "AN IRON GOLEM PUNCH FENDED OFF THE VILLAIN"

9488 - 669 = 8819 (A) · 7463 - 3741 = 3722 (I) · 8615 - 3203 = 5412 (R) · 3881 - 2147 = 1734 (U) · 5370 - 2743 = 2627 (L) · 11124 - 4492 = 6632 (N) · 10530 - 4330 = 6200 (P) · 4447 - 2341 = 2106 (F) · 5832 - 3715 = 2117 (G) · 11102 - 2648 = 8454 (T) · 5268 - 3321 = 1947 (D) · 5602 - 1707 = 3895 (C) · 9484 - 598 = 8886 (V) · 3893 - 1089 = 2804 (O) · 4987 - 1909 = 3078 (M) · 4365 - 1025 = 3340 (H) · 8818 - 4465 = 4353 (E)

Clue 4 (Multiplication facts (1-12)): "BRIGHT GREEN HELMET STRAPS LEFT BEHIND"

11 × 5 = 55 (B) · 9 × 10 = 90 (H) · 2 × 8 = 16 (T) · 5 × 7 = 35 (I) · 9 × 11 = 99 (P) · 3 × 9 = 27 (S) · 2 × 4 = 8 (G) · 1 × 1 = 1 (A) · 10 × 11 = 110 (F) · 11 × 11 = 121 (D) · 5 × 3 = 15 (L) · 4 × 10 = 40 (E) · 6 × 7 = 42 (M) · 5 × 2 = 10 (R) · 4 × 8 = 32 (N)

Clue 5 (Division facts (1-12)): surviving statement is box 2 → Smallishbeans

16 ÷ 2 = 8 · 40 ÷ 4 = 10 · 9 ÷ 1 = 9 · 11 ÷ 1 = 11 · 9 ÷ 3 = 3 · 60 ÷ 5 = 12 · 56 ÷ 8 = 7 · 7 ÷ 7 = 1 · 60 ÷ 10 = 6 · 36 ÷ 9 = 4 · 15 ÷ 3 = 5