The Mystery of Crafting Peak

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

Detective: _____ **Date:** _____

Someone broke into the central vault at Crafting Peak and scrambled the master blueprints! The Head Architect needs your help to gather evidence, solve the math clues, and catch the mysterious Griefer before the big building competition starts.

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 Griefer is _____

Possible suspects

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

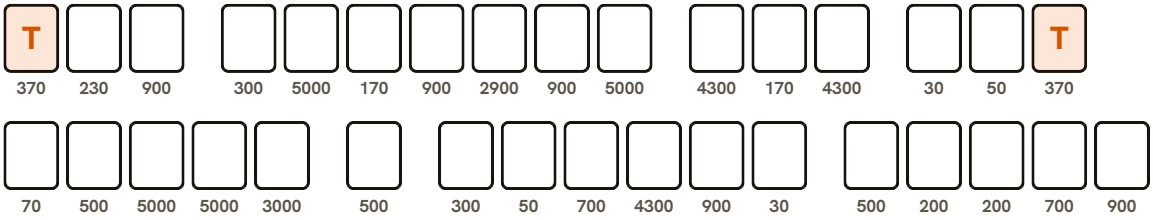
NAME	SKILL	GEAR	DOMINANT HAND	HEADWEAR	WEAKNESS
Riley Cave	Elytra Glide	Diamond Shield	Left Handed	Creeper Cap	Bright Beacon
Steve Builder	Ender Teleport	Golden Apple	Right Handed	Creeper Cap	Loud Bell
Sam Redstone	Redstone Wiring	Golden Apple	Left Handed	Creeper Cap	Bright Beacon
Morgan Forge	Redstone Wiring	Obsidian Armor	Right Handed	Ender Hood	Loud Bell
Hayden Torch	Speed Potion	Nether Torch	Left Handed	Creeper Cap	Water Bucket
Taylor Block	Elytra Glide	Golden Apple	Left Handed	Ender Hood	Bright Beacon
Finley Slab	Elytra Glide	Slime Boots	Left Handed	Yellow Helmet	Bright Beacon
Sage Hopper	Speed Potion	Obsidian Armor	Right Handed	Creeper Cap	Loud Bell
Alex Crafter	Speed Potion	Nether Torch	Right Handed	Creeper Cap	Loud Bell
Avery Pick	Elytra Glide	Nether Torch	Left Handed	Ender Hood	Loud Bell
Rory Lever	Ender Teleport	Obsidian Armor	Left Handed	Creeper Cap	Loud Bell
Peyton Flint	Elytra Glide	Diamond Shield	Right Handed	Creeper Cap	Loud Bell
Reese Lapis	Mining Blast	Nether Torch	Left Handed	Ender Hood	Bright Beacon
Casey Shaft	Mining Blast	Obsidian Armor	Right Handed	Yellow Helmet	Loud Bell
Dakota Ax	Speed Potion	Slime Boots	Right Handed	Creeper Cap	Loud Bell
Ellis Piston	Ender Teleport	Nether Torch	Left Handed	Creeper Cap	Bright Beacon
Rowan Coal	Elytra Glide	Obsidian Armor	Left Handed	Yellow Helmet	Bright Beacon
Jordan Miner	Mining Blast	Obsidian Armor	Right Handed	Ender Hood	Loud Bell
Tatum Anvil	Speed Potion	Nether Torch	Right Handed	Creeper Cap	Water Bucket
Dallas Fence	Redstone Wiring	Slime Boots	Left Handed	Creeper Cap	Bright Beacon
Quinn Shovel	Mining Blast	Obsidian Armor	Left Handed	Creeper Cap	Bright Beacon

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CLUE 1 Rounding

The security console readout rounded the total pixel damage to give a rough estimate of the scene.

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



Round 371 to the nearest ten ☐ → T

Round 481 to the nearest hundred ☐ → A

Round 2,949 to the nearest thousand ☐ → Y

Round 916 to the nearest hundred ☐ → E

Round 190 to the nearest hundred ☐ → P

Round 51 to the nearest ten ☐ → O

Round 168 to the nearest ten ☐ → I

Round 232 to the nearest ten ☐ → H

Round 33 to the nearest ten ☐ → N

Round 5,130 to the nearest thousand ☐ → R

Round 315 to the nearest hundred ☐ → G

Round 2,893 to the nearest hundred ☐ → F

Round 713 to the nearest hundred ☐ → L

Round 71 to the nearest ten ☐ → C

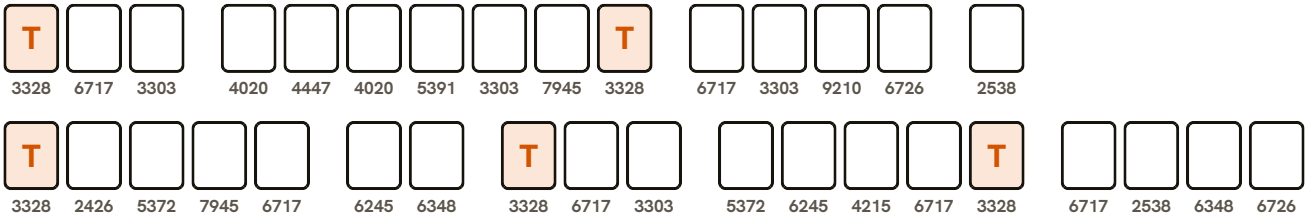
Round 4,311 to the nearest hundred ☐ → D

Scratch space:

CLUE 2 Addition

> Counting up the extra iron blocks found by the doorway gives us our next big lead.

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



1268 + 2060 = ☐ → T	2419 + 1601 = ☐ → S	1736 + 2479 = ☐ → G
2603 + 2769 = ☐ → R	831 + 1595 = ☐ → O	4877 + 3068 = ☐ → C
1886 + 1417 = ☐ → E	5158 + 4052 = ☐ → L	1104 + 1434 = ☐ → A
4411 + 2306 = ☐ → H	4267 + 2459 = ☐ → D	2330 + 3915 = ☐ → I
1899 + 2548 = ☐ → U	3719 + 2629 = ☐ → N	1727 + 3664 = ☐ → P

Scratch space:

CLUE 3 Subtraction

Taking away the damaged rails from the total track length reveals another hidden note.

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



11779 - 4792 = ☐ → T

6535 - 2575 = ☐ → S

9686 - 724 = ☐ → D

7798 - 55 = ☐ → F

10504 - 3001 = ☐ → O

9096 - 674 = ☐ → H

8805 - 1766 = ☐ → U

9902 - 3238 = ☐ → G

5940 - 345 = ☐ → I

12541 - 4125 = ☐ → N

9998 - 3642 = ☐ → M

7221 - 3705 = ☐ → E

11041 - 4815 = ☐ → A

9011 - 4423 = ☐ → B

6569 - 1429 = ☐ → L

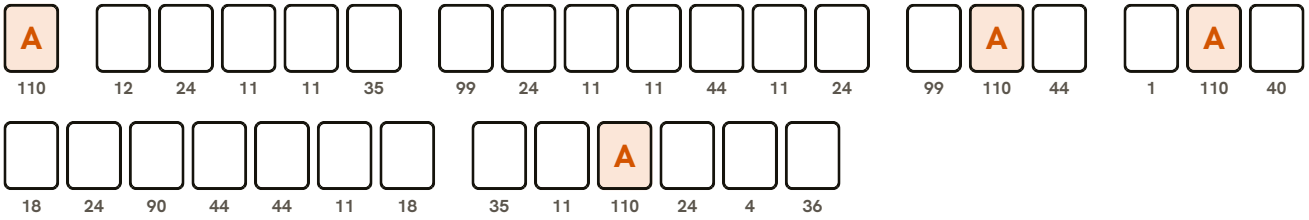
2365 - 1029 = ☐ → R

Scratch space:

CLUE 4 Multiplication facts (1-12)

> Checking rows of organized chests in the storage bay multiplies our evidence.

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



11 × 10 = ☐ → **A**

10 × 9 = ☐ → **O**

6 × 2 = ☐ → **G**

9 × 11 = ☐ → **C**

7 × 5 = ☐ → **N**

4 × 1 = ☐ → **B**

4 × 11 = ☐ → **P**

12 × 2 = ☐ → **R**

1 × 1 = ☐ → **W**

3 × 6 = ☐ → **D**

4 × 10 = ☐ → **S**

12 × 3 = ☐ → **Y**

11 × 1 = ☐ → **E**

Scratch space:

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

> Dividing the recovered emeralds equally among the guard posts unlocks the final file.

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:

60 ÷ 12 = ☐ | 77 ÷ 7 = ☐ | 30 ÷ 3 = ☐ | 3 ÷ 3 = ☐ | 48 ÷ 6 = ☐

24 ÷ 6 = ☐ | 48 ÷ 8 = ☐ | 90 ÷ 10 = ☐ | 120 ÷ 10 = ☐ | 36 ÷ 12 = ☐

77 ÷ 11 = ☐

Step 2 - cross out the sentence with each answer:

1. The villain dashed fast with a speed potion, then munching on a golden apple.
2. The villain dashed fast with a speed potion, then bouncing away on high slime boots.
3. The villain glided quietly off the tower, then bouncing away on high slime boots.
4. The villain teleported straight through the wall, then bouncing away on high slime boots.
5. The villain dashed fast with a speed potion, then marching in heavy obsidian armor.
6. The villain dashed fast with a speed potion, then deflected traps with a diamond shield.
7. The villain blasted open the mine shaft, then marching in heavy obsidian armor.
8. The villain teleported straight through the wall, then deflected traps with a diamond shield.
9. The villain glided quietly off the tower, then munching on a golden apple.
10. The villain glided quietly off the tower, then deflected traps with a diamond shield.
11. The villain dashed fast with a speed potion, then lit up the dark tunnel with a nether torch.
12. The villain blasted open the mine shaft, then lit up the dark tunnel with a nether torch.

TEACHER / PARENT

Answer Key

The Mystery of Crafting Peak

Culprit: Dakota Ax

Speed Potion · Slime Boots · Right Handed · Creeper Cap · Loud Bell

Trail: Start 21 → Clue 1 18 → Clue 2 8 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE GRIEFER DID NOT CARRY A GOLDEN APPLE"

Round 371 to the nearest ten = 370 (T) · Round 481 to the nearest hundred = 500 (A) · Round 2,949 to the nearest thousand = 3000 (Y) · Round 916 to the nearest hundred = 900 (E) · Round 190 to the nearest hundred = 200 (P) · Round 51 to the nearest ten = 50 (O) · Round 168 to the nearest ten = 170 (I) · Round 232 to the nearest ten = 230 (H) · Round 33 to the nearest ten = 30 (N) · Round 5,130 to the nearest thousand = 5000 (R) · Round 315 to the nearest hundred = 300 (G) · Round 2,893 to the nearest hundred = 2900 (F) · Round 713 to the nearest hundred = 700 (L) · Round 71 to the nearest ten = 70 (C) · Round 4,311 to the nearest hundred = 4300 (D)

Clue 2 (Addition): "THE SUSPECT HELD A TORCH IN THE RIGHT HAND"

1268 + 2060 = 3328 (T) · 2419 + 1601 = 4020 (S) · 1736 + 2479 = 4215 (G) · 2603 + 2769 = 5372 (R) · 831 + 1595 = 2426 (O) · 4877 + 3068 = 7945 (C) · 1886 + 1417 = 3303 (E) · 5158 + 4052 = 9210 (L) · 1104 + 1434 = 2538 (A) · 4411 + 2306 = 6717 (H) · 4267 + 2459 = 6726 (D) · 2330 + 3915 = 6245 (I) · 1899 + 2548 = 4447 (U) · 3719 + 2629 = 6348 (N) · 1727 + 3664 = 5391 (P)

Clue 3 (Subtraction): "THE GRIEFER RAN FROM A LOUD SOUNDING BELL"

11779 - 4792 = 6987 (T) · 6535 - 2575 = 3960 (S) · 9686 - 724 = 8962 (D) · 7798 - 55 = 7743 (F) · 10504 - 3001 = 7503 (O) · 9096 - 674 = 8422 (H) · 8805 - 1766 = 7039 (U) · 9902 - 3238 = 6664 (G) · 5940 - 345 = 5595 (I) · 12541 - 4125 = 8416 (N) · 9998 - 3642 = 6356 (M) · 7221 - 3705 = 3516 (E) · 11041 - 4815 = 6226 (A) · 9011 - 4423 = 4588 (B) · 6569 - 1429 = 5140 (L) · 2365 - 1029 = 1336 (R)

Clue 4 (Multiplication facts (1-12)): "A GREEN CREEPER CAP WAS DROPPED NEARBY"

11 × 10 = 110 (A) · 10 × 9 = 90 (O) · 6 × 2 = 12 (G) · 9 × 11 = 99 (C) · 7 × 5 = 35 (N) · 4 × 1 = 4 (B) · 4 × 11 = 44 (P) · 12 × 2 = 24 (R) · 1 × 1 = 1 (W) · 3 × 6 = 18 (D) · 4 × 10 = 40 (S) · 12 × 3 = 36 (Y) · 11 × 1 = 11 (E)

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

60 ÷ 12 = 5 · 77 ÷ 7 = 11 · 30 ÷ 3 = 10 · 3 ÷ 3 = 1 · 48 ÷ 6 = 8 · 24 ÷ 6 = 4 · 48 ÷ 8 = 6 · 90 ÷ 10 = 9 · 120 ÷ 10 = 12 · 36 ÷ 12 = 3 · 77 ÷ 11 = 7