The Great Crafting Village Mystery

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

Detective: _____ **Date:** _____

Someone snuck into the village warehouse and stole the golden beacon! Help the builders solve math clues to track down the griefer.

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

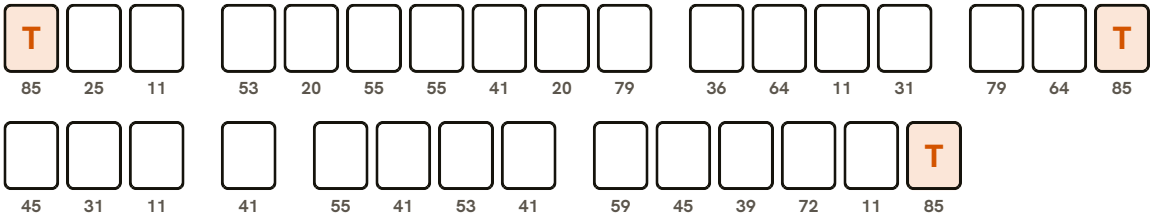
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	TOOL	ITEM	DOMINANT HAND	HEADGEAR	DEFENSE
Tubbo	Diamond Pickaxe	Ender Pearl	Left Handed	Gold Helmet	Water Bucket
GeminiTay	Golden Apple	Elytra Wings	Left Handed	Diamond Helmet	Shield
Preston	TNT Block	Redstone Dust	Right Handed	Gold Helmet	Water Bucket
Unspeakable	Diamond Pickaxe	Redstone Dust	Left Handed	Turtle Shell	Shield
Jack	TNT Block	Elytra Wings	Right Handed	Diamond Helmet	Water Bucket
DanTDM	TNT Block	Ender Pearl	Right Handed	Turtle Shell	Water Bucket
LDShadowLady	Bow and Arrow	Elytra Wings	Right Handed	Gold Helmet	Splash Potion
Etho	TNT Block	Ender Pearl	Right Handed	Gold Helmet	Water Bucket
Mumbo	Diamond Pickaxe	Elytra Wings	Right Handed	Diamond Helmet	Water Bucket
Aphmau	Bow and Arrow	Ender Pearl	Left Handed	Gold Helmet	Water Bucket
Bdubs	Netherite Sword	Lava Bucket	Right Handed	Gold Helmet	Water Bucket
Jelly	Diamond Pickaxe	Elytra Wings	Left Handed	Gold Helmet	Splash Potion
Keralis	Golden Apple	Elytra Wings	Left Handed	Diamond Helmet	Water Bucket
Alex	Diamond Pickaxe	Ender Pearl	Right Handed	Turtle Shell	Shield
CaptainSparklez	Bow and Arrow	Elytra Wings	Right Handed	Gold Helmet	Water Bucket
Impulse	TNT Block	Elytra Wings	Right Handed	Gold Helmet	Water Bucket
Steve	Golden Apple	Elytra Wings	Right Handed	Gold Helmet	Shield
Tommy	Golden Apple	Elytra Wings	Left Handed	Turtle Shell	Splash Potion
Stampy	Golden Apple	Ender Pearl	Right Handed	Diamond Helmet	Shield
Ranboo	Golden Apple	Redstone Dust	Right Handed	Turtle Shell	Water Bucket
Caddy	Diamond Pickaxe	Fishing Rod	Right Handed	Turtle Shell	Splash Potion

CLUE 1 Place value

You check the block count on the crafting table grid to see how many ones and tens were used.

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



What number has 8 tens and 5 ones? ☐ → T

What number has 7 tens and 9 ones? ☐ → N

What number has 2 tens and 0 ones? ☐ → I

What number has 7 tens and 2 ones? ☐ → K

What number has 5 tens and 9 ones? ☐ → B

What number has 4 tens and 5 ones? ☐ → U

What number has 3 tens and 9 ones? ☐ → C

What number has 2 tens and 5 ones? ☐ → H

What number has 4 tens and 1 one? ☐ → A

What number has 3 tens and 1 one? ☐ → S

What number has 3 tens and 6 ones? ☐ → D

What number has 5 tens and 3 ones? ☐ → V

What number has 6 tens and 4 ones? ☐ → O

What number has 5 tens and 5 ones? ☐ → L

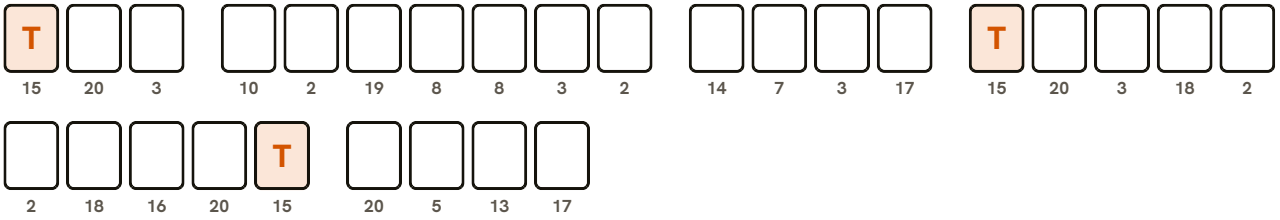
What number has 1 ten and 1 one? ☐ → E

Scratch space:

CLUE 2 Addition

You count all the redstone torches found in the cave to total up the clue pieces.

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



5 + 10 = ☐ → T

12 + 6 = ☐ → I

5 + 8 = ☐ → N

1 + 2 = ☐ → E

2 + 5 = ☐ → S

6 + 13 = ☐ → O

9 + 5 = ☐ → U

10 + 10 = ☐ → H

1 + 1 = ☐ → R

2 + 3 = ☐ → A

5 + 12 = ☐ → D

6 + 2 = ☐ → P

5 + 11 = ☐ → G

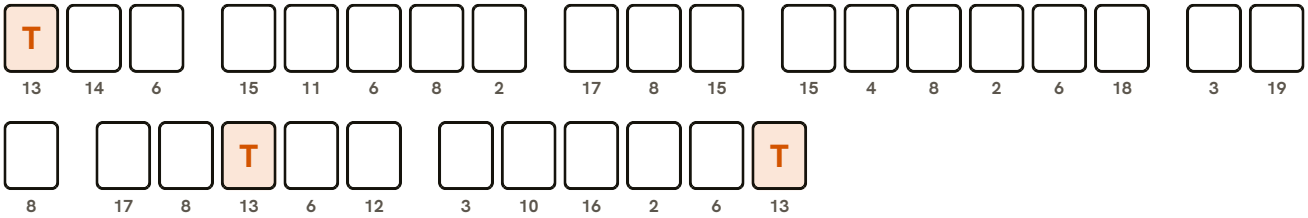
5 + 5 = ☐ → C

Scratch space:

CLUE 3 Subtraction

You take away the broken pickaxes from the chest to see what remains.

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



19 - 6 = ☐ → T

6 - 2 = ☐ → O

18 - 7 = ☐ → N

19 - 2 = ☐ → W

12 - 6 = ☐ → E

20 - 1 = ☐ → Y

16 - 8 = ☐ → A

20 - 6 = ☐ → H

18 - 2 = ☐ → C

10 - 7 = ☐ → B

20 - 2 = ☐ → D

6 - 4 = ☐ → K

19 - 9 = ☐ → U

16 - 4 = ☐ → R

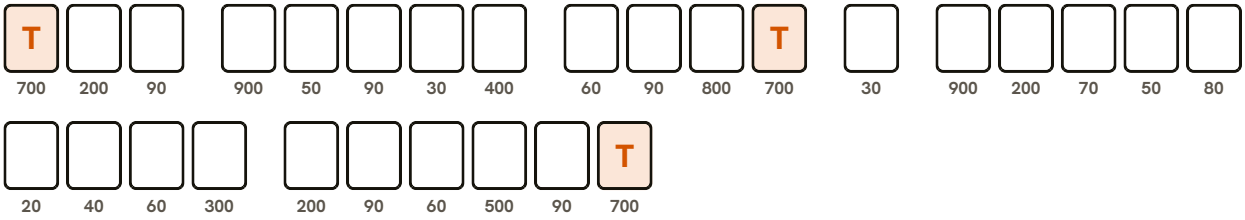
18 - 3 = ☐ → S

Scratch space:

CLUE 4 Rounding

The digital score screen rounds the emerald total to the nearest ten.

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



Round 716 to the nearest hundred ☐ → T

Round 27 to the nearest ten ☐ → A

Round 518 to the nearest hundred ☐ → M

Round 328 to the nearest hundred ☐ → D

Round 66 to the nearest ten ☐ → I

Round 62 to the nearest ten ☐ → L

Round 77 to the nearest ten ☐ → Y

Round 357 to the nearest hundred ☐ → K

Round 770 to the nearest hundred ☐ → F

Round 20 to the nearest ten ☐ → G

Round 92 to the nearest ten ☐ → E

Round 50 to the nearest ten ☐ → N

Round 948 to the nearest hundred ☐ → S

Round 40 to the nearest ten ☐ → O

Round 248 to the nearest hundred ☐ → H

Scratch space:

CLUE 5 Missing addends - the last clue

You figure out how many more wooden planks you need to complete the bridge to the 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 + ___ = 3 ☐	6 + ___ = 9 ☐	6 + ___ = 17 ☐	6 + ___ = 12 ☐
2 + ___ = 12 ☐	4 + ___ = 11 ☐	10 + ___ = 15 ☐	9 + ___ = 21 ☐
2 + ___ = 11 ☐	2 + ___ = 3 ☐	8 + ___ = 12 ☐	

Step 2 - cross out the sentence with each answer:

1. The villain placed a fizzing tnt block, then snagged a chest with a fishing rod.
2. The villain placed a fizzing tnt block, then sprinkled glowing redstone dust.
3. The villain placed a fizzing tnt block, then threw a teleporting ender pearl.
4. The villain ate a shiny golden apple, then poured out hot bubbling lava.
5. The villain dug through the obsidian vault, then glided away with elytra wings.
6. The villain dug through the obsidian vault, then poured out hot bubbling lava.
7. The villain dug through the obsidian vault, then sprinkled glowing redstone dust.
8. The villain shot an arrow at the target, then glided away with elytra wings.
9. The villain dug through the obsidian vault, then snagged a chest with a fishing rod.
10. The villain dug through the obsidian vault, then threw a teleporting ender pearl.
11. The villain placed a fizzing tnt block, then glided away with elytra wings.
12. The villain placed a fizzing tnt block, then poured out hot bubbling lava.

TEACHER / PARENT

Answer Key

The Great Crafting Village Mystery

Culprit: CaptainSparklez

Bow and Arrow · Elytra Wings · Right Handed · Gold Helmet · Water Bucket

Trail: Start 21 → Clue 1 20 → Clue 2 13 → Clue 3 8 → Clue 4 4 → Clue 5 1

Clue 1 (Place value): "THE VILLAIN DOES NOT USE A LAVA BUCKET"

What number has 8 tens and 5 ones? = 85 (T) · What number has 7 tens and 9 ones? = 79 (N) · What number has 2 tens and 0 ones? = 20 (I) · What number has 7 tens and 2 ones? = 72 (K) · What number has 5 tens and 9 ones? = 59 (B) · What number has 4 tens and 5 ones? = 45 (U) · What number has 3 tens and 9 ones? = 39 (C) · What number has 2 tens and 5 ones? = 25 (H) · What number has 4 tens and 1 one? = 41 (A) · What number has 3 tens and 1 one? = 31 (S) · What number has 3 tens and 6 ones? = 36 (D) · What number has 5 tens and 3 ones? = 53 (V) · What number has 6 tens and 4 ones? = 64 (O) · What number has 5 tens and 5 ones? = 55 (L) · What number has 1 ten and 1 one? = 11 (E)

Clue 2 (Addition): "THE CROPPER USED THEIR RIGHT HAND"

5 + 10 = 15 (T) · 12 + 6 = 18 (I) · 5 + 8 = 13 (N) · 1 + 2 = 3 (E) · 2 + 5 = 7 (S) · 6 + 13 = 19 (O) · 9 + 5 = 14 (U) · 10 + 10 = 20 (H) · 1 + 1 = 2 (R) · 2 + 3 = 5 (A) · 5 + 12 = 17 (D) · 6 + 2 = 8 (P) · 5 + 11 = 16 (G) · 5 + 5 = 10 (C)

Clue 3 (Subtraction): "THE SNEAK WAS SOAKED BY A WATER BUCKET"

19 - 6 = 13 (T) · 6 - 2 = 4 (O) · 18 - 7 = 11 (N) · 19 - 2 = 17 (W) · 12 - 6 = 6 (E) · 20 - 1 = 19 (Y) · 16 - 8 = 8 (A) · 20 - 6 = 14 (H) · 18 - 2 = 16 (C) · 10 - 7 = 3 (B) · 20 - 2 = 18 (D) · 6 - 4 = 2 (K) · 19 - 9 = 10 (U) · 16 - 4 = 12 (R) · 18 - 3 = 15 (S)

Clue 4 (Rounding): "THE SNEAK LEFT A SHINY GOLD HELMET"

Round 716 to the nearest hundred = 700 (T) · Round 27 to the nearest ten = 30 (A) · Round 518 to the nearest hundred = 500 (M) · Round 328 to the nearest hundred = 300 (D) · Round 66 to the nearest ten = 70 (I) · Round 62 to the nearest ten = 60 (L) · Round 77 to the nearest ten = 80 (Y) · Round 357 to the nearest hundred = 400 (K) · Round 770 to the nearest hundred = 800 (F) · Round 20 to the nearest ten = 20 (G) · Round 92 to the nearest ten = 90 (E) · Round 50 to the nearest ten = 50 (N) · Round 948 to the nearest hundred = 900 (S) · Round 40 to the nearest ten = 40 (O) · Round 248 to the nearest hundred = 200 (H)

Clue 5 (Missing addends): surviving statement is box 8 → CaptainSparklez

1 + ___ = 3 = 2 · 6 + ___ = 9 = 3 · 6 + ___ = 17 = 11 · 6 + ___ = 12 = 6 · 2 + ___ = 12 = 10 · 4 + ___ = 11 = 7 · 10 + ___ = 15 = 5 · 9 + ___ = 21 = 12 · 2 + ___ = 11 = 9 · 2 + ___ = 3 = 1 · 8 + ___ = 12 = 4