



The Mystery of the Missing Masterpiece

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

Detective: _____ Date: _____

Someone snuck into the admin temple and stole the legendary Diamond Star Trophy! The server host needs our help to find the sneaky griefer before the grand build battle 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	MAIN WEAPON	OFFHAND ITEM	DOMINANT HAND	HAIR COLOR	MAJOR FEAR
Sapnap	Enchanted Bow	Wooden Shield	Right-handed	Bright Yellow	Tame Cat
Notch	Diamond Sword	Totem of Undying	Left-handed	Bright Yellow	Creeper Hiss
Antfrost	TNT Block	Ender Pearl	Right-handed	Neon Green	Tame Cat
TommyInnit	Fire Charge	Totem of Undying	Left-handed	Neon Green	Tame Cat
MumboJumbo	Fire Charge	Fire Aspect Book	Left-handed	Neon Green	Tame Cat
BadBoyHalo	Enchanted Bow	Wooden Shield	Left-handed	Neon Green	Tame Cat
Jeb	TNT Block	Fire Aspect Book	Left-handed	Neon Green	Creeper Hiss
Stampy	Enchanted Bow	Ender Pearl	Left-handed	Neon Green	Tame Cat
DanTDM	Diamond Sword	Splash Potion	Right-handed	Neon Green	Tame Cat
Alex	TNT Block	Fire Aspect Book	Right-handed	Neon Green	Water Bucket
Ranboo	Enchanted Bow	Ender Pearl	Left-handed	Classic Brown	Water Bucket
LDShadowLady	Diamond Sword	Ender Pearl	Right-handed	Bright Yellow	Creeper Hiss
Philza	TNT Block	Wooden Shield	Left-handed	Neon Green	Water Bucket
Grian	Netherite Axe	Ender Pearl	Right-handed	Neon Green	Tame Cat
Technoblade	Diamond Sword	Ender Pearl	Left-handed	Bright Yellow	Tame Cat
Steve	Netherite Axe	Splash Potion	Right-handed	Classic Brown	Water Bucket
CaptainSparklez	TNT Block	Fire Aspect Book	Left-handed	Bright Yellow	Creeper Hiss
Smallishbeans	Enchanted Bow	Totem of Undying	Left-handed	Neon Green	Tame Cat
Skeppy	Diamond Sword	Ender Pearl	Right-handed	Neon Green	Tame Cat
Tubbo	Enchanted Bow	Wooden Shield	Right-handed	Neon Green	Creeper Hiss
Aphmau	Diamond Sword	Totem of Undying	Left-handed	Classic Brown	Water Bucket

CLUE 1 Place value

The chest lock has gold blocks, iron blocks, and redstone dust in columns. To open it, we must read the place value of each item on the wall.

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

20 400 60 70 100 1000 60 200 60 100 90 9000 60 4000 600 9000 20

What is the value of the 2 in 8,329? → **T**

What is the value of the 4 in 1,407? → **H**

What is the value of the 9 in 9,421? → ☐

What is the value of the 2 in 3,293? → **F**

What is the value of the 3 in 636? → **P**

What is the value of the 1 in 195? → **R**

What is the value of the 5 in 753? → **C**

What is the value of the 7 in 8,173? → **G**

What is the value of the 6 in 465? → **E**

What is the value of the 5 in 576? → **A**

What is the value of the 3 in 63,567? → **U**

What is the value of the 1 in 21,804? →

What is the value of the 9 in 895? → **D**

What is the value of the 6 in 607? → **N**

What is the value of the 4 in 14,123? → **S**

Scratch space:

CLUE 2 **Addition**

We need to count all the logs in the forest to build a safety wall. Adding the oak logs and birch logs together will give us the total.

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

L												L			
873	765	213	373	974	371	547	682	765	682	489	873	467	409	264	
	L														
221	873	371	409	765	829										

$309 + 564 = \square \rightarrow \boxed{\text{L}}$

$72 + 149 = \square \rightarrow \boxed{\text{P}}$

$211 + 278 = \square \rightarrow \boxed{\text{B}}$

$453 + 312 = \square \rightarrow \boxed{\text{E}}$

$521 + 453 = \square \rightarrow \boxed{\text{H}}$

$191 + 182 = \square \rightarrow \boxed{\text{T}}$

$251 + 578 = \square \rightarrow \boxed{\text{R}}$

$300 + 247 = \square \rightarrow \boxed{\text{N}}$

$131 + 133 = \square \rightarrow \boxed{\text{K}}$

$254 + 155 = \square \rightarrow \boxed{\text{C}}$

$185 + 186 = \square \rightarrow \boxed{\text{A}}$

$470 + 212 = \square \rightarrow \boxed{\text{D}}$

$143 + 70 = \square \rightarrow \boxed{\text{F}}$

$289 + 178 = \square \rightarrow \boxed{\text{O}}$

Scratch space:

CLUE 3 Subtraction

The creeper blew up some of our stone brick stairs. We must subtract the broken blocks from our starting pile to see what is left.

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

A						A				A							
396	232	844	566	254	232	396	251	837	575	396	232	251	837	390	304	837	269

A										
396	566	269	232	466	837	254	159	519	837	269

$737 - 341 = \square \rightarrow \boxed{\text{A}}$

$785 - 319 = \square \rightarrow \boxed{\text{H}}$

$721 - 146 = \square \rightarrow \boxed{\text{C}}$

$1067 - 230 = \square \rightarrow \boxed{\text{E}}$

$291 - 37 = \square \rightarrow \boxed{\text{Y}}$

$695 - 305 = \square \rightarrow \boxed{\text{O}}$

$406 - 247 = \square \rightarrow \boxed{\text{F}}$

$944 - 100 = \square \rightarrow \boxed{\text{I}}$

$564 - 332 = \square \rightarrow \boxed{\text{T}}$

$394 - 90 = \square \rightarrow \boxed{\text{W}}$

$394 - 143 = \square \rightarrow \boxed{\text{M}}$

$520 - 1 = \square \rightarrow \boxed{\text{L}}$

$584 - 315 = \square \rightarrow \boxed{\text{D}}$

$870 - 304 = \square \rightarrow \boxed{\text{N}}$

Scratch space:

CLUE 4 Rounding

The radar screen only shows the distance to the nearest village rounded to the nearest ten blocks. We must round the number to find the way.

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

A																			
6000	900	400	7000	900	20	4000	400	400	900	800	9000	4000	6000	900	40	3000	6000	800	
7000	900	9000	60	400	700	400	8000	400	4000										

Round 6,030 to the nearest thousand →

A

Round 3,974 to the nearest thousand →

R

Round 2,890 to the nearest thousand →

W

Round 43 to the nearest ten →

D

Round 58 to the nearest ten →

H

Round 7,691 to the nearest thousand →

V

Round 362 to the nearest hundred →

E

Round 833 to the nearest hundred →

S

Round 8,832 to the nearest thousand →

T

Round 7,355 to the nearest thousand →

O

Round 22 to the nearest ten →

G

Round 682 to the nearest hundred →

L

Round 933 to the nearest hundred →

N

Scratch space:

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

We found a pile of golden apples to share equally among our team members. Splitting them evenly will show how many each person gets.

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:

$6 \div 3 = \boxed{}$

$121 \div 11 = \boxed{}$

$60 \div 10 = \boxed{}$

$6 \div 2 = \boxed{}$

$35 \div 7 = \boxed{}$

$144 \div 12 = \boxed{}$

$18 \div 2 = \boxed{}$

$100 \div 10 = \boxed{}$

$48 \div 6 = \boxed{}$

$20 \div 5 = \boxed{}$

$42 \div 6 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain shot an enchanted bow, then blocked with a wooden shield.
2. The villain shot an enchanted bow, then teleported with an ender pearl.
3. The villain threw a fire charge, then activated fire aspect.
4. The villain chopped with a netherite axe, then activated fire aspect.
5. The villain chopped with a netherite axe, then teleported with an ender pearl.
6. The villain threw a fire charge, then held up a totem of undying.
7. The villain threw a fire charge, then blocked with a wooden shield.
8. The villain chopped with a netherite axe, then blocked with a wooden shield.
9. The villain threw a fire charge, then splashed a speed potion.
10. The villain swung a diamond sword, then blocked with a wooden shield.
11. The villain shot an enchanted bow, then held up a totem of undying.
12. The villain shot an enchanted bow, then activated fire aspect.

Answer Key

The Mystery of the Missing Masterpiece

Culprit: BadBoyHalo

Enchanted Bow · Wooden Shield · Left-handed · Neon Green · Tame Cat

Trail: Start 21 → Clue 1 17 → Clue 2 9 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Place value): "THE GRIEFER DOES NOT USE FIRE ASPECT"

What is the value of the 2 in 8,329? = 20 (T) · What is the value of the 4 in 1,407? = 400 (H) · What is the value of the 9 in 9,421? = 9000 (O) · What is the value of the 2 in 3,293? = 200 (F) · What is the value of the 3 in 636? = 30 (P) · What is the value of the 1 in 195? = 100 (R) · What is the value of the 5 in 753? = 50 (C) · What is the value of the 7 in 8,173? = 70 (G) · What is the value of the 6 in 465? = 60 (E) · What is the value of the 5 in 576? = 500 (A) · What is the value of the 3 in 63,567? = 3000 (U) · What is the value of the 1 in 21,804? = 1000 (I) · What is the value of the 9 in 895? = 90 (D) · What is the value of the 6 in 607? = 600 (N) · What is the value of the 4 in 14,123? = 4000 (S)

Clue 2 (Addition): "LEFT HANDED BLOCK PLACER"

$309 + 564 = 873$ (L) · $72 + 149 = 221$ (P) · $211 + 278 = 489$ (B) · $453 + 312 = 765$ (E) · $521 + 453 = 974$ (H) · $191 + 182 = 373$ (T) · $251 + 578 = 829$ (R) · $300 + 247 = 547$ (N) · $131 + 133 = 264$ (K) · $254 + 155 = 409$ (C) · $185 + 186 = 371$ (A) · $470 + 212 = 682$ (D) · $143 + 70 = 213$ (F) · $289 + 178 = 467$ (O)

Clue 3 (Subtraction): "A TINY TAME CAT MEOWED AND THEY FLED"

$737 - 341 = 396$ (A) · $785 - 319 = 466$ (H) · $721 - 146 = 575$ (C) · $1067 - 230 = 837$ (E) · $291 - 37 = 254$ (Y) · $695 - 305 = 390$ (O) · $406 - 247 = 159$ (F) · $944 - 100 = 844$ (I) · $564 - 332 = 232$ (T) · $394 - 90 = 304$ (W) · $394 - 143 = 251$ (M) · $520 - 1 = 519$ (L) · $584 - 315 = 269$ (D) · $870 - 304 = 566$ (N)

Clue 4 (Rounding): "A NEON GREEN STRAND WAS ON THE LEVER"

Round 6,030 to the nearest thousand = 6000 (A) · Round 3,974 to the nearest thousand = 4000 (R) · Round 2,890 to the nearest thousand = 3000 (W) · Round 43 to the nearest ten = 40 (D) · Round 58 to the nearest ten = 60 (H) · Round 7,691 to the nearest thousand = 8000 (V) · Round 362 to the nearest hundred = 400 (E) · Round 833 to the nearest hundred = 800 (S) · Round 8,832 to the nearest thousand = 9000 (T) · Round 7,355 to the nearest thousand = 7000 (O) · Round 22 to the nearest ten = 20 (G) · Round 682 to the nearest hundred = 700 (L) · Round 933 to the nearest hundred = 900 (N)

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

$6 \div 3 = 2$ · $121 \div 11 = 11$ · $60 \div 10 = 6$ · $6 \div 2 = 3$ · $35 \div 7 = 5$ · $144 \div 12 = 12$ · $18 \div 2 = 9$ · $100 \div 10 = 10$ · $48 \div 6 = 8$ · $20 \div 5 = 4$ · $42 \div 6 = 7$