



The Great Block Heist

Grade 5 math · Multiplication, Addition, Subtraction, Rounding, Division · Reading level grades 3-4

Detective: _____ Date: _____

Someone snuck into the kingdom chest room and stole all the rare diamond blocks! The villagers are in a panic. Follow the clues and help us find the sneaky thief before they ruin the entire server!

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	GRIEFING TOOL	SURVIVAL SKILL	ACTIVE HAND	PIXEL HAIR COLOR	VULNERABILITY
Aphmau	Flint and Steel	Potion Brewing	Right Handed	Orange Blocky Hair	Wolf Pack Attack
GoodTimesWithScar	TNT Detonator	Redstone Wiring	Right Handed	Brown Blocky Hair	Splash Water Bottle
DanTDM	Flint and Steel	Nether Portal Building	Left Handed	Brown Blocky Hair	Splash Water Bottle
Tubbo	Flint and Steel	Potion Brewing	Right Handed	Yellow Blocky Hair	Splash Water Bottle
EthosLab	Flint and Steel	Redstone Wiring	Right Handed	Orange Blocky Hair	Splash Water Bottle
Ranboo	TNT Detonator	Redstone Wiring	Right Handed	Brown Blocky Hair	Iron Golem Defense
Grian	Flint and Steel	Nether Portal Building	Right Handed	Yellow Blocky Hair	Splash Water Bottle
Dream	Lava Bucket	Potion Brewing	Left Handed	Yellow Blocky Hair	Iron Golem Defense
PopularMMOs	Diamond Sword	Elysian Gliding	Left Handed	Brown Blocky Hair	Splash Water Bottle
CaptainSparklez	Lava Bucket	Potion Brewing	Right Handed	Yellow Blocky Hair	Splash Water Bottle
VintageBeef	Lava Bucket	Ender Teleporting	Right Handed	Brown Blocky Hair	Iron Golem Defense
Ssundee	Lava Bucket	Potion Brewing	Left Handed	Brown Blocky Hair	Splash Water Bottle
TommyInnit	Flint and Steel	Potion Brewing	Right Handed	Orange Blocky Hair	Splash Water Bottle
Stampylongnose	Monster Egg	Potion Brewing	Left Handed	Brown Blocky Hair	Wolf Pack Attack
JeromeASF	Diamond Sword	Ender Teleporting	Right Handed	Yellow Blocky Hair	Splash Water Bottle
xisumavoid	Diamond Sword	Potion Brewing	Left Handed	Orange Blocky Hair	Wolf Pack Attack
LDShadowLady	TNT Detonator	Potion Brewing	Right Handed	Yellow Blocky Hair	Iron Golem Defense
Steve	TNT Detonator	Redstone Wiring	Right Handed	Yellow Blocky Hair	Splash Water Bottle
BdoubleO100	Lava Bucket	Ender Teleporting	Left Handed	Orange Blocky Hair	Splash Water Bottle
PrestonPlayz	Flint and Steel	Redstone Wiring	Left Handed	Yellow Blocky Hair	Splash Water Bottle
Technoblade	Lava Bucket	Elysian Gliding	Left Handed	Yellow Blocky Hair	Iron Golem Defense

CLUE 1
Multiplication facts (1-12)

To find the suspect's main tool, we must count the rows of iron ore block stacks inside the abandoned mine shaft.

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

T									T						T			
42	96	3	54	24	54	12	3	63	42	63	20	80	80	8	42	24	54	3
					T							T						
3	80	100	3	33	42	3	10	3	12	8	33	42	70	80	14			

$7 \times 6 = \square \rightarrow \boxed{\text{T}}$

$7 \times 10 = \square \rightarrow \boxed{\text{I}}$

$1 \times 10 = \square \rightarrow \boxed{\text{L}}$

$4 \times 5 = \square \rightarrow \boxed{\text{A}}$

$12 \times 2 = \square \rightarrow \boxed{\text{U}}$

$3 \times 1 = \square \rightarrow \boxed{\text{E}}$

$12 \times 8 = \square \rightarrow \boxed{\text{H}}$

$3 \times 4 = \square \rightarrow \boxed{\text{P}}$

$10 \times 10 = \square \rightarrow \boxed{\text{D}}$

$2 \times 4 = \square \rightarrow \boxed{\text{O}}$

$11 \times 3 = \square \rightarrow \boxed{\text{R}}$

$9 \times 6 = \square \rightarrow \boxed{\text{S}}$

$7 \times 9 = \square \rightarrow \boxed{\text{C}}$

$7 \times 2 = \square \rightarrow \boxed{\text{G}}$

$10 \times 8 = \square \rightarrow \boxed{\text{N}}$

Scratch space:

CLUE 2 Addition

A friendly villager tallies up all the emeralds left behind in the chest to help us learn the thief's weakness.

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

T																	
7655	5938	3322	7391	2398	3322	8925	6510	7184	6881	3724	9023	3322	6276	3322	3724	9023	7391

					T						T		
6510	2398	9372	7708	2398	7655	9372	3758	3322	3724	9023	6881	5938	7655

5938	8925	2398	3864	3322	3864

$5139 + 2516 = \square \rightarrow \text{T}$	$5411 + 3961 = \square \rightarrow \text{O}$	$3188 + 4203 = \square \rightarrow \text{S}$
$1532 + 2332 = \square \rightarrow \text{D}$	$5381 + 3642 = \square \rightarrow \text{I}$	$3346 + 2592 = \square \rightarrow \text{H}$
$4559 + 4366 = \square \rightarrow \text{A}$	$4985 + 2723 = \square \rightarrow \text{W}$	$1474 + 1848 = \square \rightarrow \text{E}$
$2992 + 3284 = \square \rightarrow \text{F}$	$1952 + 1806 = \square \rightarrow \text{B}$	$2904 + 3977 = \square \rightarrow \text{G}$
$1536 + 2188 = \square \rightarrow \text{R}$	$927 + 1471 = \square \rightarrow \text{N}$	$4566 + 2618 = \square \rightarrow \text{Y}$
$2653 + 3857 = \square \rightarrow \text{K}$		

Scratch space:

CLUE 3
Subtraction

The creeper blast blew away some of our torches. Subtracting the broken ones from our total tells us what hair color to look for.

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

A				A				A									
8416	3848	8289	7321	8416	3848	2703	1006	8416	4209	6520	2732	2892	8070	4209	4209	7321	6520

1006	5264	7321	7321	3848	4209	8070	8289	4209	2703	5264	3848	4209	2703	5264	6081

$11817 - 3401 = \boxed{} \rightarrow \boxed{\text{A}}$

$4067 - 1175 = \boxed{} \rightarrow \boxed{\text{B}}$

$8114 - 4266 = \boxed{} \rightarrow \boxed{\text{S}}$

$2846 - 143 = \boxed{} \rightarrow \boxed{\text{H}}$

$6938 - 4206 = \boxed{} \rightarrow \boxed{\text{R}}$

$10029 - 1959 = \boxed{} \rightarrow \boxed{\text{O}}$

$12493 - 4204 = \boxed{} \rightarrow \boxed{\text{P}}$

$5689 - 4683 = \boxed{} \rightarrow \boxed{\text{W}}$

$5627 - 363 = \boxed{} \rightarrow \boxed{\text{I}}$

$7768 - 3559 = \boxed{} \rightarrow \boxed{\text{T}}$

$7615 - 294 = \boxed{} \rightarrow \boxed{\text{L}}$

$11347 - 4827 = \boxed{} \rightarrow \boxed{\text{E}}$

$6346 - 265 = \boxed{} \rightarrow \boxed{\text{F}}$

Scratch space:

CLUE 4 Rounding

The coordinates on our damaged compass are fuzzy. We have to round the broken numbers to find the suspect's active hand.

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

T																	
4300	50	300	20	700	5000	5000	430	700	200	290	1700	110	1300	1300	300	290	
2300	300	5000	5000	110	30	3700	5000	110	500	170	2300	50	430	700	1700		

Round 4,294 to the nearest hundred → **T**

Round 431 to the nearest ten → **A**

Round 677 to the nearest hundred → **I**

Round 1,680 to the nearest hundred → **R**

Round 462 to the nearest hundred → **C**

Round 315 to the nearest hundred → **E**

Round 290 to the nearest ten → **D**

Round 28 to the nearest ten → **W**

Round 106 to the nearest ten → **O**

Round 5,248 to the nearest thousand → **L**

Round 49 to the nearest ten → **H**

Round 3,742 to the nearest hundred → **B**

Round 2,295 to the nearest hundred → **Y**

Round 231 to the nearest hundred → **N**

Round 173 to the nearest ten → **K**

Round 19 to the nearest ten → **V**

Round 1,312 to the nearest hundred → **P**

Scratch space:

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

We share our remaining golden apples equally among the guard dogs to unlock the final secret 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:

$96 \div 12 = \boxed{}$

$9 \div 9 = \boxed{}$

$132 \div 12 = \boxed{}$

$72 \div 6 = \boxed{}$

$54 \div 9 = \boxed{}$

$12 \div 4 = \boxed{}$

$36 \div 9 = \boxed{}$

$84 \div 12 = \boxed{}$

$20 \div 10 = \boxed{}$

$20 \div 2 = \boxed{}$

$45 \div 5 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain lights a block of explosive TNT, then escapes through a secret redstone door.
2. The villain pours lava over the cobblestone, then escapes into a purple nether portal.
3. The villain spawns a wave of angry creepers, then escapes through a secret redstone door.
4. The villain pours lava over the cobblestone, then glides away using elytra wings.
5. The villain pours lava over the cobblestone, then drinks a swiftness splash potion.
6. The villain sets fire to the wooden house, then teleports away using an ender pearl.
7. The villain lights a block of explosive TNT, then escapes into a purple nether portal.
8. The villain sets fire to the wooden house, then drinks a swiftness splash potion.
9. The villain lights a block of explosive TNT, then glides away using elytra wings.
10. The villain swings a giant blue diamond sword, then escapes through a secret redstone door.
11. The villain sets fire to the wooden house, then escapes into a purple nether portal.
12. The villain spawns a wave of angry creepers, then glides away using elytra wings.

Answer Key

The Great Block Heist

Culprit: CaptainSparklez

Lava Bucket · Potion Brewing · Right Handed · Yellow Blocky Hair · Splash Water Bottle

Trail: Start 21 → Clue 1 18 → Clue 2 10 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Multiplication facts (1-12)): "THE SUSPECT CANNOT USE ENDER TELEPORTING"

$7 \times 6 = 42$ (T) · $7 \times 10 = 70$ (I) · $1 \times 10 = 10$ (L) · $4 \times 5 = 20$ (A) · $12 \times 2 = 24$ (U) · $3 \times 1 = 3$ (E) · $12 \times 8 = 96$ (H) · $3 \times 4 = 12$ (P) · $10 \times 10 = 100$ (D) · $2 \times 4 = 8$ (O) · $11 \times 3 = 33$ (R) · $9 \times 6 = 54$ (S) · $7 \times 9 = 63$ (C) · $7 \times 2 = 14$ (G) · $10 \times 8 = 80$ (N)

Clue 2 (Addition): "THE SNEAKY GRIEFER IS KNOWN TO BE RIGHT HANDED"

$5139 + 2516 = 7655$ (T) · $5411 + 3961 = 9372$ (O) · $3188 + 4203 = 7391$ (S) · $1532 + 2332 = 3864$ (D) · $5381 + 3642 = 9023$ (I) · $3346 + 2592 = 5938$ (H) · $4559 + 4366 = 8925$ (A) · $4985 + 2723 = 7708$ (W) · $1474 + 1848 = 3322$ (E) · $2992 + 3284 = 6276$ (F) · $1952 + 1806 = 3758$ (B) · $2904 + 3977 = 6881$ (G) · $1536 + 2188 = 3724$ (R) · $927 + 1471 = 2398$ (N) · $4566 + 2618 = 7184$ (Y) · $2653 + 3857 = 6510$ (K)

Clue 3 (Subtraction): "A SPLASH WATER BOTTLE WILL STOP THIS THIEF"

$11817 - 3401 = 8416$ (A) · $4067 - 1175 = 2892$ (B) · $8114 - 4266 = 3848$ (S) · $2846 - 143 = 2703$ (H) · $6938 - 4206 = 2732$ (R) · $10029 - 1959 = 8070$ (O) · $12493 - 4204 = 8289$ (P) · $5689 - 4683 = 1006$ (W) · $5627 - 363 = 5264$ (I) · $7768 - 3559 = 4209$ (T) · $7615 - 294 = 7321$ (L) · $11347 - 4827 = 6520$ (E) · $6346 - 265 = 6081$ (F)

Clue 4 (Rounding): "THE VILLAIN DROPPED YELLOW BLOCKY HAIR"

Round 4,294 to the nearest hundred = 4300 (T) · Round 431 to the nearest ten = 430 (A) · Round 677 to the nearest hundred = 700 (I) · Round 1,680 to the nearest hundred = 1700 (R) · Round 462 to the nearest hundred = 500 (C) · Round 315 to the nearest hundred = 300 (E) · Round 290 to the nearest ten = 290 (D) · Round 28 to the nearest ten = 30 (W) · Round 106 to the nearest ten = 110 (O) · Round 5,248 to the nearest thousand = 5000 (L) · Round 49 to the nearest ten = 50 (H) · Round 3,742 to the nearest hundred = 3700 (B) · Round 2,295 to the nearest hundred = 2300 (Y) · Round 231 to the nearest hundred = 200 (N) · Round 173 to the nearest ten = 170 (K) · Round 19 to the nearest ten = 20 (V) · Round 1,312 to the nearest hundred = 1300 (P)

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

$96 \div 12 = 8$ · $9 \div 9 = 1$ · $132 \div 12 = 11$ · $72 \div 6 = 12$ · $54 \div 9 = 6$ · $12 \div 4 = 3$ · $36 \div 9 = 4$ · $84 \div 12 = 7$ · $20 \div 10 = 2$ · $20 \div 2 = 10$ · $45 \div 5 = 9$