



The Great Block Heist

Grade 4 math · Rounding, Multi-step word problems, Addition, Subtraction, Division · Reading level grades 3-4

Detective: _____ Date: _____

Disaster has struck! Someone snuck into the obsidian vault and stole the Golden Apple. The Head Builder needs your help to track down the sneaky Griefer before they log off!

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	FAVORITE TOOL	PET MOB	ACTIVE HAND	HELMET TYPE	BIGGEST FEAR
Sapnap	Netherite Sword	Leashed Phantom	Right Handed	Iron Helmet	Lava Pools
Dream	Flint and Steel	Tamed Wolf	Left Handed	Gold Helmet	Water Blocks
Alex	Golden Shovel	Baby Zombie	Left Handed	Gold Helmet	Water Blocks
Tommy	Diamond Pickaxe	Leashed Phantom	Right Handed	Iron Helmet	Water Blocks
Notch	Ender Pearl	Tamed Wolf	Left Handed	Gold Helmet	Cat Meows
Steve	Ender Pearl	Leashed Phantom	Left Handed	Gold Helmet	Cat Meows
Philza	Diamond Pickaxe	Leashed Phantom	Left Handed	Leather Cap	Water Blocks
DanTDM	Flint and Steel	Pet Creeper	Right Handed	Gold Helmet	Water Blocks
George	Netherite Sword	Tamed Wolf	Left Handed	Leather Cap	Lava Pools
BdoubleO	Golden Shovel	Baby Zombie	Left Handed	Leather Cap	Water Blocks
Sparklez	Netherite Sword	Leashed Phantom	Left Handed	Gold Helmet	Cat Meows
Grian	Diamond Pickaxe	Pet Creeper	Right Handed	Leather Cap	Water Blocks
Wilbur	Golden Shovel	Friendly Slime	Left Handed	Leather Cap	Water Blocks
Skeppy	Flint and Steel	Pet Creeper	Left Handed	Leather Cap	Water Blocks
Preston	Netherite Sword	Leashed Phantom	Left Handed	Iron Helmet	Water Blocks
LDShadowLady	Ender Pearl	Pet Creeper	Left Handed	Leather Cap	Water Blocks
Aphmau	Golden Shovel	Tamed Wolf	Left Handed	Leather Cap	Lava Pools
Ranboo	Ender Pearl	Baby Zombie	Left Handed	Leather Cap	Lava Pools
Technoblade	Ender Pearl	Leashed Phantom	Left Handed	Gold Helmet	Lava Pools
Tubbo	Ender Pearl	Tamed Wolf	Right Handed	Gold Helmet	Cat Meows
Jeb	Ender Pearl	Leashed Phantom	Left Handed	Leather Cap	Water Blocks

CLUE 1

We need to craft enough torches to light up the dark cave. First, let us calculate the wood blocks we mined and the coal we gathered to find the total.

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

Round 709 to the nearest hundred $\rightarrow$ **T**

Round 4,264 to the nearest hundred → **G**

Round 2,332 to the nearest hundred $\rightarrow$ **R**

Round 46 to the nearest ten $\rightarrow$ **F**

Round 106 to the nearest ten → **H**

Round 7,407 to the nearest thousand → **E**

Round 71 to the nearest ten $\rightarrow$ **P**

Round 230 to the nearest ten $\rightarrow$ **S**

Round 1,060 to the nearest hundred → **N**

Round 289 to the nearest ten $\rightarrow$

Round 243 to the nearest hundred $\rightarrow$ **D**

Round 541 to the nearest hundred → **A**

Round 8,779 to the nearest thousand $\rightarrow$

Round 128 to the nearest ten $\rightarrow$ **M**

Scratch space:

CLUE 3 Addition

Let us stack our obsidian blocks together to build a strong portal. Add the blocks from both chests to see if we have enough.

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

T																			
3245	5906	9473	9215	7842	4098	4098	8229	7842	3847	2983	5473	3847	2856	8229	8796	8229	5128		
						T													
7079	2983	4189	3930	8796	8229	3245	9473	2983	9440	4098	4189	5577	4906	2856					

1310 + 1935 = → T	1869 + 2229 = → L	3731 + 5484 = → V
1809 + 3097 = → K	3495 + 2411 = → H	1473 + 2374 = → N
1641 + 2548 = → O	3389 + 6084 = → E	1465 + 1391 = → S
1784 + 2146 = → M	5575 + 3865 = → B	2202 + 3271 = → U
3064 + 4778 = → I	2190 + 2938 = → Y	1614 + 1369 = → R
2420 + 3157 = → C	4361 + 2718 = → F	5538 + 2691 = → A
5916 + 2880 = → W		

Scratch space:

CLUE 4
Subtraction

A sneaky creeper exploded and blew away some of our iron ingots. Subtract the lost ingots from our inventory to see what is left.

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

W									W							
6105	2302	8627	8682	1986	7381	4595	7254	7155	8682	6105	7381	2443	2302	3715	5066	8100

2613	3715	4214	5066	8100	7155	2302	3715

$9575 - 3470 = \square \rightarrow \text{W}$

$4446 - 2003 = \square \rightarrow \text{L}$

$2940 - 954 = \square \rightarrow \text{U}$

$8746 - 646 = \square \rightarrow \text{H}$

$11972 - 3791 = \square \rightarrow \text{S}$

$4553 - 1940 = \square \rightarrow \text{C}$

$9199 - 517 = \square \rightarrow \text{O}$

$11245 - 2618 = \square \rightarrow \text{F}$

$10379 - 3224 = \square \rightarrow \text{R}$

$9149 - 1768 = \square \rightarrow \text{N}$

$7712 - 2646 = \square \rightarrow \text{T}$

$11504 - 4250 = \square \rightarrow \text{B}$

$3571 - 1269 = \square \rightarrow \text{E}$

$4832 - 1117 = \square \rightarrow \text{A}$

$8559 - 3964 = \square \rightarrow \text{D}$

$6168 - 1954 = \square \rightarrow \text{P}$

Scratch space:

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

We found a stash of sweet berries to share. Split the berries equally among our wolves to find out how many each pup 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:

$12 \div 1 = \boxed{}$

$80 \div 10 = \boxed{}$

$121 \div 11 = \boxed{}$

$36 \div 12 = \boxed{}$

$30 \div 3 = \boxed{}$

$50 \div 10 = \boxed{}$

$42 \div 7 = \boxed{}$

$20 \div 10 = \boxed{}$

$8 \div 2 = \boxed{}$

$11 \div 11 = \boxed{}$

$21 \div 3 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain mines the diamond ore, then bounces away with the friendly slime.
2. The villain sparks a huge fire, then bounces away with the friendly slime.
3. The villain digs a deep pit, then runs away with the pet creeper.
4. The villain mines the diamond ore, then runs away with the pet creeper.
5. The villain teleports behind the chest, then giggles with the baby zombie.
6. The villain sparks a huge fire, then flies off with the leashed phantom.
7. The villain mines the diamond ore, then giggles with the baby zombie.
8. The villain sparks a huge fire, then runs away with the pet creeper.
9. The villain teleports behind the chest, then runs away with the pet creeper.
10. The villain teleports behind the chest, then flies off with the leashed phantom.
11. The villain digs a deep pit, then giggles with the baby zombie.
12. The villain digs a deep pit, then bounces away with the friendly slime.

Answer Key

The Great Block Heist

Culprit: LDShadowLady

Ender Pearl · Pet Creeper · Left Handed · Leather Cap · Water Blocks

Trail: Start 21 → Clue 1 13 → Clue 2 10 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE GRIEFER DOES NOT PET A PHANTOM"

Round 709 to the nearest hundred = 700 (T) · Round 4,264 to the nearest hundred = 4300 (G) · Round 2,332 to the nearest hundred = 2300 (R) · Round 46 to the nearest ten = 50 (F) · Round 106 to the nearest ten = 110 (H) · Round 7,407 to the nearest thousand = 7000 (E) · Round 71 to the nearest ten = 70 (P) · Round 230 to the nearest ten = 230 (S) · Round 1,060 to the nearest hundred = 1100 (N) · Round 289 to the nearest ten = 290 (I) · Round 243 to the nearest hundred = 200 (D) · Round 541 to the nearest hundred = 500 (A) · Round 8,779 to the nearest thousand = 9000 (O) · Round 128 to the nearest ten = 130 (M)

Clue 2 (Multi-step word problems): "LEFT HANDED"

There were 110 cooked porkchop in all. 14 cooked porkchop were set aside. The rest were shared equally among 6 the build guild. How many cooked porkchop did each get? = 16 (L) · The blacksmith collected 184 slimeball in the morning and 38 slimeball in the afternoon, then split them equally among 6 the build guild. How many slimeball did each get? = 37 (T) · The blacksmith filled 7 boxes with 2 redstone dust each, then found 38 more redstone dust. How many redstone dust are there in all? = 52 (F) · The blacksmith earned 3 cooked porkchop in each of 4 rounds, plus 58 bonus cooked porkchop. Then 4 cooked porkchop were lost. How many cooked porkchop are left? = 66 (N) · There were 283 iron ingot in all. 2 the build guild used 17 iron ingot each. The other 3 the build guild shared the rest equally. How many iron ingot did each of the other the build guild get? = 83 (H) · There were 125 iron ingot in all. 13 iron ingot were set aside. The rest were shared equally among 8 the build guild. How many iron ingot did each get? = 14 (A) · The blacksmith earned 7 slimeball in each of 2 rounds, plus 52 bonus slimeball. Then 9 slimeball were lost. How many slimeball are left? = 57 (E)

Clue 3 (Addition): "THE VILLAIN RUNS AWAY FROM WATER BLOCKS"

1310 + 1935 = 3245 (T) · 1869 + 2229 = 4098 (L) · 3731 + 5484 = 9215 (V) · 1809 + 3097 = 4906 (K) · 3495 + 2411 = 5906 (H) · 1473 + 2374 = 3847 (N) · 1641 + 2548 = 4189 (O) · 3389 + 6084 = 9473 (E) · 1465 + 1391 = 2856 (S) · 1784 + 2146 = 3930 (M) · 5575 + 3865 = 9440 (B) · 2202 + 3271 = 5473 (U) · 3064 + 4778 = 7842 (I) · 2190 + 2938 = 5128 (Y) · 1614 + 1369 = 2983 (R) · 2420 + 3157 = 5577 (C) · 4361 + 2718 = 7079 (F) · 5538 + 2691 = 8229 (A) · 5916 + 2880 = 8796 (W)

Clue 4 (Subtraction): "WE FOUND BROWN LEATHER CAP THREADS"

9575 - 3470 = 6105 (W) · 4446 - 2003 = 2443 (L) · 2940 - 954 = 1986 (U) · 8746 - 646 = 8100 (H) · 11972 - 3791 = 8181 (S) · 4553 - 1940 = 2613 (C) · 9199 - 517 = 8682 (O) · 11245 - 2618 = 8627 (F) · 10379 - 3224 = 7155 (R) · 9149 - 1768 = 7381 (N) · 7712 - 2646 = 5066 (T) · 11504 - 4250 = 7254 (B) · 3571 - 1269 = 2302 (E) · 4832 - 1117 = 3715 (A) · 8559 - 3964 = 4595 (D) · 6168 - 1954 = 4214 (P)

Clue 5 (Division facts (1-12)): surviving statement is box 9 → LDShadowLady

12 ÷ 1 = 12 · 80 ÷ 10 = 8 · 121 ÷ 11 = 11 · 36 ÷ 12 = 3 · 30 ÷ 3 = 10 · 50 ÷ 10 = 5 · 42 ÷ 7 = 6 · 20 ÷ 10 = 2 · 8 ÷ 2 = 4 · 11 ÷ 11 = 1 · 21 ÷ 3 = 7