



The Golden Apple Grief

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

Detective: _____ Date: _____

Someone snuck into the Server Vault and took the Legendary Golden Apple! Our head builder Alex needs your help to crack the blocky clues and find the griever.

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 grieving rogue is _____

Possible suspects

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

NAME	MAIN ABILITY	HELD ITEM	HAND USE	PIXEL HAIR COLOR	VULNERABILITY
LDShadowLady	mining obsidian fast	brewing speed potions	holding items in right hand	dusty brown pixels	distracted by music disc
George	flying in creative	wearing netherite armor	holding items in left hand	dusty brown pixels	distracted by music disc
Skeppy	flying in creative	carrying a diamond pick	holding items in right hand	dusty brown pixels	trapped in cobwebs
DanTDM	spawning creepers	brewing speed potions	holding items in left hand	bright green pixels	distracted by music disc
Tubbo	spawning creepers	wearing a pumpkin helmet	holding items in left hand	dusty brown pixels	splashed with water bottle
TommyInnit	taming ender dragons	using a fire bow	holding items in left hand	dusty brown pixels	trapped in cobwebs
CaptainSparklez	spawning creepers	wearing netherite armor	holding items in right hand	bright green pixels	trapped in cobwebs
PopularMMOs	flying in creative	wearing netherite armor	holding items in right hand	dusty brown pixels	distracted by music disc
Aphmau	taming ender dragons	brewing speed potions	holding items in right hand	dusty brown pixels	distracted by music disc
Mumbo	spawning creepers	wearing a pumpkin helmet	holding items in left hand	bright green pixels	trapped in cobwebs
Stampy	mining obsidian fast	carrying a diamond pick	holding items in left hand	dusty brown pixels	distracted by music disc
Grian	mining obsidian fast	wearing netherite armor	holding items in right hand	deep blue pixels	splashed with water bottle
Preston	teleporting with pearls	wearing a pumpkin helmet	holding items in left hand	dusty brown pixels	distracted by music disc
Philza	spawning creepers	wearing a pumpkin helmet	holding items in left hand	deep blue pixels	trapped in cobwebs
Biffae	mining obsidian fast	using a fire bow	holding items in left hand	bright green pixels	trapped in cobwebs
Ranboo	flying in creative	carrying a diamond pick	holding items in left hand	dusty brown pixels	distracted by music disc
Sapnap	flying in creative	wearing a pumpkin helmet	holding items in right hand	deep blue pixels	distracted by music disc
Steve	spawning creepers	wearing netherite armor	holding items in right hand	deep blue pixels	trapped in cobwebs
Alex	flying in creative	using a fire bow	holding items in left hand	dusty brown pixels	distracted by music disc
Unspeakable	mining obsidian fast	wearing netherite armor	holding items in left hand	dusty brown pixels	splashed with water bottle
Technoblade	spawning creepers	carrying a diamond pick	holding items in left hand	bright green pixels	splashed with water bottle

Multiplication facts (1-12)

The sneaky rogue left rows of TNT blocks. Multiply the rows by the columns to count them and get the first clue.

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

$$8 \times 8 = \boxed{} \rightarrow \boxed{\text{T}}$$

$$9 \times 12 = \boxed{} \rightarrow \boxed{\text{N}}$$

$$3 \times 10 = \boxed{} \rightarrow \boxed{\text{S}}$$

$11 \times 10 = \boxed{} \rightarrow \boxed{\mathbf{R}}$

$4 \times 11 = \boxed{} \rightarrow \boxed{\text{L}}$

$9 \times 8 = \square \rightarrow \boxed{\mathbf{U}}$

$3 \times 5 = \square \rightarrow \boxed{\mathbf{M}}$

$10 \times 10 = \boxed{} \rightarrow \boxed{\mathbf{A}}$

$$6 \times 11 = \boxed{} \rightarrow \boxed{0}$$

$1 \times 5 = \boxed{} \rightarrow \boxed{}$

$$10 \times 1 = \boxed{} \rightarrow \boxed{\text{K}}$$

$$5 \times 4 = \boxed{} \rightarrow \boxed{\mathbf{W}}$$

$9 \times 10 = \boxed{} \rightarrow \boxed{\text{D}}$

$7 \times 12 = \boxed{} \rightarrow \boxed{\text{F}}$

$$2 \times 1 = \boxed{} \rightarrow \boxed{\text{H}}$$

$$7 \times 4 = \boxed{} \rightarrow \boxed{\text{P}}$$

$11 \times 11 = \boxed{} \rightarrow \boxed{\text{E}}$

Scratch space:

CLUE 2

Diagram illustrating the multiplication of 1234 by 5678. The top row shows the partial products of 1234 multiplied by the digits of 5678 (8, 7, 6, 5), with the first and 15th boxes highlighted in orange and labeled 'L'. The bottom row shows the partial products of 1234 multiplied by the digits of 5678 (8, 7, 6, 5), with the first and 15th boxes highlighted in orange and labeled 'L'.

Round 5,933 to the nearest thousand $\rightarrow$ **L**

Round 69 to the nearest ten $\rightarrow$ **A**

Round 84 to the nearest ten $\rightarrow$ **S**

Round 523 to the nearest hundred $\rightarrow$ **E**

Round 804 to the nearest hundred $\rightarrow$ **M**

Round 86 to the nearest ten $\rightarrow$ **N**

Round 7,718 to the nearest thousand $\rightarrow$ **T**

Round 341 to the nearest hundred $\rightarrow$ **F**

Round 2,220 to the nearest thousand $\rightarrow$

Round 60 to the nearest ten → **R**

Round 5,005 to the nearest thousand → **U**

Round 16 to the nearest ten $\rightarrow$ **W**

Round 29 to the nearest ten → **D**

Round 734 to the nearest hundred → **K**

Round 4,207 to the nearest thousand $\rightarrow$

Round 36 to the nearest ten $\rightarrow$ **H**

CLUE 3 Addition

We found some dropped inventory items in two chests. Add the items together to unlock the next file.

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

T					T							T						
533	673	436	434	948	533	532	225	225	436	368	533	532	368	777	846	723	436	

T													
533	532	777	746	403	948	329	723	368	329	948	723		

$333 + 200 = \square \rightarrow \text{T}$	$263 + 140 = \square \rightarrow \text{U}$	$321 + 627 = \square \rightarrow \text{S}$
$163 + 205 = \square \rightarrow \text{D}$	$222 + 107 = \square \rightarrow \text{I}$	$220 + 503 = \square \rightarrow \text{C}$
$92 + 133 = \square \rightarrow \text{P}$	$299 + 135 = \square \rightarrow \text{Y}$	$245 + 501 = \square \rightarrow \text{M}$
$470 + 307 = \square \rightarrow \text{A}$	$240 + 196 = \square \rightarrow \text{E}$	$440 + 233 = \square \rightarrow \text{H}$
$584 + 262 = \square \rightarrow \text{N}$	$251 + 281 = \square \rightarrow \text{O}$	

Scratch space:

CLUE 4

The thief started with a stack of cobblestone but dropped some while running away. Subtract the dropped blocks to find the clue.

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

254 875 893 330 485 403 500 500 485 794 886 109 686 785 330 254 403

471 811 179 875 657 794 118 886 886 706 875 794 556 875 403 875

$622 - 368 = \square \rightarrow \boxed{\text{W}}$

$864 - 178 = \boxed{} \rightarrow \boxed{\text{B}}$

332 - 2 = →

$414 - 305 = \boxed{} \rightarrow \boxed{\text{Y}}$

$$1096 - 210 = \boxed{} \rightarrow \boxed{\text{T}}$$

$1117 - 323 = \boxed{} \rightarrow \boxed{\text{S}}$

$792 - 135 = \boxed{} \rightarrow \boxed{\text{L}}$

$287 - 108 = \square \rightarrow \boxed{\text{X}}$

$947 - 241 = \boxed{} \rightarrow \boxed{\text{H}}$

$814 - 258 = \square \rightarrow \boxed{\text{C}}$

$654 - 251 = \square \rightarrow \boxed{\text{N}}$

$$916 - 105 = \boxed{} \rightarrow \boxed{\text{I}}$$

$1133 - 258 = \boxed{} \rightarrow \boxed{\text{E}}$

$1006 - 113 = \boxed{} \rightarrow \boxed{\text{F}}$

$$839 - 354 = \boxed{} \rightarrow \boxed{\text{U}}$$

$194 - 76 = \square \rightarrow \boxed{\mathbf{A}}$

829 - 358 = → **P**

$720 - 220 = \square \rightarrow \boxed{\text{D}}$

$$1086 - 301 = \boxed{} \rightarrow \boxed{\mathbf{R}}$$

Scratch space:

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

To bypass the final redstone lock, we must share our remaining potion bottles equally among the team. Divide them up to find the villain.

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:

$88 \div 11 = \boxed{}$

$18 \div 9 = \boxed{}$

$10 \div 10 = \boxed{}$

$110 \div 10 = \boxed{}$

$6 \div 2 = \boxed{}$

$108 \div 12 = \boxed{}$

$84 \div 12 = \boxed{}$

$72 \div 6 = \boxed{}$

$30 \div 6 = \boxed{}$

$32 \div 8 = \boxed{}$

$30 \div 3 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain soars high in creative mode, then shoots blazing arrows with a fire bow.
2. The villain soars high in creative mode, then swings a sharp diamond pick.
3. The villain flies on a giant ender dragon, then hides their face under a pumpkin helmet.
4. The villain flies on a giant ender dragon, then swings a sharp diamond pick.
5. The villain spawns noisy green creepers, then shines in heavy netherite armor.
6. The villain soars high in creative mode, then shines in heavy netherite armor.
7. The villain breaks tough obsidian blocks, then runs super fast with speed potions.
8. The villain breaks tough obsidian blocks, then swings a sharp diamond pick.
9. The villain spawns noisy green creepers, then runs super fast with speed potions.
10. The villain flies on a giant ender dragon, then shoots blazing arrows with a fire bow.
11. The villain flies on a giant ender dragon, then runs super fast with speed potions.
12. The villain throws glowing ender pearls, then hides their face under a pumpkin helmet.

Answer Key

The Golden Apple Grief

Culprit: George

flying in creative · wearing netherite armor · holding items in left hand · dusty brown pixels · distracted by music disc

Trail: Start 21 → Clue 1 16 → Clue 2 9 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Multiplication facts (1-12)): "THE FOE DOES NOT WEAR A PUMPKIN HELMET"

$8 \times 8 = 64$ (T) · $9 \times 12 = 108$ (N) · $3 \times 10 = 30$ (S) · $11 \times 10 = 110$ (R) · $4 \times 11 = 44$ (L) · $9 \times 8 = 72$ (U) · $3 \times 5 = 15$ (M) · $10 \times 10 = 100$ (A) · $6 \times 11 = 66$ (O) · $1 \times 5 = 5$ (I) · $10 \times 1 = 10$ (K) · $5 \times 4 = 20$ (W) · $9 \times 10 = 90$ (D) · $7 \times 12 = 84$ (F) · $2 \times 1 = 2$ (H) · $7 \times 4 = 28$ (P) · $11 \times 11 = 121$ (E)

Clue 2 (Rounding): "LEFT HANDED SHIELD MARKS WERE FOUND"

Round 5,933 to the nearest thousand = 6000 (L) · Round 69 to the nearest ten = 70 (A) · Round 84 to the nearest ten = 80 (S) · Round 523 to the nearest hundred = 500 (E) · Round 804 to the nearest hundred = 800 (M) · Round 86 to the nearest ten = 90 (N) · Round 7,718 to the nearest thousand = 8000 (T) · Round 341 to the nearest hundred = 300 (F) · Round 2,220 to the nearest thousand = 2000 (I) · Round 60 to the nearest ten = 60 (R) · Round 5,005 to the nearest thousand = 5000 (U) · Round 16 to the nearest ten = 20 (W) · Round 29 to the nearest ten = 30 (D) · Round 734 to the nearest hundred = 700 (K) · Round 4,207 to the nearest thousand = 4000 (O) · Round 36 to the nearest ten = 40 (H)

Clue 3 (Addition): "THEY STOPPED TO DANCE TO A MUSIC DISC"

$333 + 200 = 533$ (T) · $263 + 140 = 403$ (U) · $321 + 627 = 948$ (S) · $163 + 205 = 368$ (D) · $222 + 107 = 329$ (I) · $220 + 503 = 723$ (C) · $92 + 133 = 225$ (P) · $299 + 135 = 434$ (Y) · $245 + 501 = 746$ (M) · $470 + 307 = 777$ (A) · $240 + 196 = 436$ (E) · $440 + 233 = 673$ (H) · $584 + 262 = 846$ (N) · $251 + 281 = 532$ (O)

Clue 4 (Subtraction): "WE FOUND DUSTY BROWN PIXELS AT THE SCENE"

$622 - 368 = 254$ (W) · $864 - 178 = 686$ (B) · $332 - 2 = 330$ (O) · $414 - 305 = 109$ (Y) · $1096 - 210 = 886$ (T) · $1117 - 323 = 794$ (S) · $792 - 135 = 657$ (L) · $287 - 108 = 179$ (X) · $947 - 241 = 706$ (H) · $814 - 258 = 556$ (C) · $654 - 251 = 403$ (N) · $916 - 105 = 811$ (I) · $1133 - 258 = 875$ (E) · $1006 - 113 = 893$ (F) · $839 - 354 = 485$ (U) · $194 - 76 = 118$ (A) · $829 - 358 = 471$ (P) · $720 - 220 = 500$ (D) · $1086 - 301 = 785$ (R)

Clue 5 (Division facts (1-12)): surviving statement is box 6 → George

$88 \div 11 = 8$ · $18 \div 9 = 2$ · $10 \div 10 = 1$ · $110 \div 10 = 11$ · $6 \div 2 = 3$ · $108 \div 12 = 9$ · $84 \div 12 = 7$ · $72 \div 6 = 12$ · $30 \div 6 = 5$ · $32 \div 8 = 4$ · $30 \div 3 = 10$