



The Great Block Griefer

Grade 6 math · Percentages, Exponents, Order of operations, Multiplication, Division · Reading level grades 1-2

Detective: _____ Date: _____

Someone has stolen the Golden Apple from the spawn castle! The blocks are messed up and there is water flowing everywhere. We must find the Griefer before they delete the entire world map!

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	ACTIVE MOD	HELD TOOL	ACTIVE HAND	HELMET STYLE	FEAR
Jeb	teleporting	redstone torch	right handed	iron helmet	water splash
Tubbo	tnt blast	golden apple	left handed	no helmet	water splash
Dream	tnt blast	redstone torch	right handed	gold helmet	water splash
PearlescentMoon	tnt blast	ender pearl	right handed	iron helmet	water splash
DanTDM	tnt blast	golden apple	left handed	gold helmet	water splash
Iskall	fast digging	golden apple	right handed	gold helmet	water splash
LDShadowLady	creative flight	ender pearl	right handed	iron helmet	water splash
Ethoslab	creative flight	golden apple	right handed	gold helmet	water splash
Ranboo	lava swim	diamond sword	left handed	no helmet	cat hiss
MumboJumbo	creative flight	diamond sword	right handed	iron helmet	milk bucket
Notch	tnt blast	golden apple	left handed	gold helmet	milk bucket
VintageBeef	fast digging	diamond sword	left handed	iron helmet	water splash
Aphmau	fast digging	ender pearl	right handed	gold helmet	milk bucket
GeorgeNotFound	creative flight	redstone torch	left handed	iron helmet	cat hiss
Stampy	lava swim	golden apple	left handed	gold helmet	milk bucket
TommyInnit	creative flight	golden apple	right handed	iron helmet	water splash
Grian	teleporting	redstone torch	left handed	iron helmet	water splash
Steve	fast digging	netherite pick	left handed	iron helmet	water splash
Skeppy	teleporting	redstone torch	left handed	no helmet	cat hiss
Alex	teleporting	redstone torch	left handed	iron helmet	milk bucket
BadBoyHalo	fast digging	golden apple	right handed	iron helmet	water splash

CLUE 1

A Creeper blew up some chests. We need to find how many blocks of wood are left. Let us check the percent.

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

The diagram consists of two rows of boxes, each containing a number. The first row has 13 boxes, and the second row has 13 boxes. The numbers in the first row are: 26, 41, 25, 26, 30, 34, 24, 25, 26, 22, 32, 25, 6. The numbers in the second row are: 41, 32, 39, 22, 30, 34, 25, 22, 6, 26, 32, 44, 25. In the first row, the boxes containing 26 and 26 are highlighted in orange and labeled 'T'. In the second row, the box containing 26 is highlighted in orange and labeled 'T'.

25% of 104 = → **T**

20% of 65 = → **C**

20% of 160 = →

50% of 88 = → **N**

5% of 480 = → **G**

50% of 78 = → **L**

20% of 205 = → **H**

25% of 136 = → **R**

20% of 110 = → **D**

20% of 125 = → **E**

25% of 120 = → **A**

40% of 15 = → **S**

Scratch space:

CLUE 2

The craft table has power. It grows fast. We must calculate the square of the redstone dust.

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

Diagram illustrating the sequence of numbers and their corresponding positions in the sequence:

Row 1: [T] 144, 25, 289, 196, 400, 324, 289, 36, 289, 400, 32, 243, 324, 64, 196, 32, 243, 324, [T], 144, 25

Row 2: [T] 144, 25, 289, 324, 400, 400, 324, 196, 25, [T] 144, 25, 121, 64, 81

$$12^2 = \boxed{} \rightarrow \boxed{\text{T}}$$

$$9^2 = \boxed{} \rightarrow \boxed{\text{D}}$$

$$20^2 = \boxed{} \rightarrow \boxed{\mathbf{R}}$$

$$14^2 = \boxed{} \rightarrow \boxed{\mathbf{G}}$$

$$2^5 = \boxed{} \rightarrow \boxed{\text{S}}$$

$$18^2 = \boxed{} \rightarrow \boxed{1}$$

$$17^2 = \boxed{} \rightarrow \boxed{\text{E}}$$

$$6^2 = \boxed{} \rightarrow \boxed{\text{F}}$$

$$3^5 = \boxed{} \rightarrow \boxed{\mathbf{W}}$$

$$5^2 = \boxed{} \rightarrow \boxed{\text{H}}$$

$$11^2 = \boxed{} \rightarrow \boxed{\mathbf{A}}$$

$$2^6 = \boxed{} \rightarrow \boxed{\text{N}}$$

Scratch space:

Order of operations

Steve wants to sort his inventory. He has many steps to do. Follow the strict rules of the craft order.

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

Diagram illustrating a sequence of numbers arranged in two rows of boxes. The top row contains 18 boxes, with the first box highlighted in orange and labeled 'W'. The numbers below the boxes are: 65, 20, 11, 70, 49, 55, 56, 29, 20, 55, 71, 70, 55, 17, 20, 75, 70, 11, 71, 70. The bottom row contains 14 boxes, with the 11th box highlighted in orange and labeled 'W'. The numbers below the boxes are: 9, 66, 29, 29, 20, 66, 40, 49, 64, 40, 20, 65, 20, 7.

$$30 + 5 \times 7 = \boxed{} \rightarrow \boxed{\mathbf{W}}$$

$3 + 2 \times 2 = \boxed{} \rightarrow \boxed{\text{Y}}$

$$28 + 9 \times 3 = \boxed{} \rightarrow \boxed{\text{S}}$$

$$11 + 3 \times 2 = \boxed{} \rightarrow \boxed{\text{M}}$$

$$8 + 7 \times 3 = \boxed{} \rightarrow \boxed{\text{L}}$$

$$20 + 4 \times 5 = \boxed{} \rightarrow \boxed{\text{N}}$$

$$16 + 6 \times 8 = \boxed{} \rightarrow \boxed{\text{U}}$$

$$2 + 6 \times 9 = \boxed{} \rightarrow \boxed{\text{P}}$$

$$66 + 2 \times 2 = \boxed{} \rightarrow \boxed{\text{E}}$$

$$11 \times 7 - 2 = \boxed{} \rightarrow \boxed{\text{K}}$$

$$3 \times 9 - 7 = \boxed{} \rightarrow \boxed{\mathbf{A}}$$

$$3 + 3 \times 2 = \boxed{} \rightarrow \boxed{\mathbf{v}}$$

$$48 + 6 \times 3 = \boxed{} \rightarrow \boxed{\text{I}}$$

$$17 + 9 \times 6 = \boxed{} \rightarrow \boxed{\text{H}}$$

$$8 \times 9 - 23 = \boxed{} \rightarrow \boxed{\text{R}}$$

$$4 \times 3 - 1 = \boxed{} \rightarrow \boxed{\text{T}}$$

Scratch space:

CLUE 4

Multiplication facts (1-12)

Alex is planting wheat. She has four neat rows of seeds. Let us multiply to see the total.

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

W																		
110	54	56	45	2	50	22	64	50	96	132	45	50	21	54	55	120	54	100
64	100	100	21	54	108	132	96	120	54	40	108	54	50	54				

$11 \times 10 = \square \rightarrow \boxed{W}$

$8 \times 8 = \square \rightarrow \boxed{A}$

$9 \times 6 = \square \rightarrow \boxed{E}$

$8 \times 12 = \square \rightarrow \boxed{I}$

$10 \times 12 = \square \rightarrow \boxed{M}$

$10 \times 10 = \square \rightarrow \boxed{T}$

$5 \times 10 = \square \rightarrow \boxed{N}$

$9 \times 5 = \square \rightarrow \boxed{O}$

$2 \times 1 = \square \rightarrow \boxed{U}$

$11 \times 2 = \square \rightarrow \boxed{D}$

$5 \times 11 = \square \rightarrow \boxed{L}$

$4 \times 10 = \square \rightarrow \boxed{S}$

$12 \times 11 = \square \rightarrow \boxed{R}$

$12 \times 9 = \square \rightarrow \boxed{C}$

$7 \times 3 = \square \rightarrow \boxed{H}$

$7 \times 8 = \square \rightarrow \boxed{F}$

Scratch space:

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

We found some shiny diamonds. We must share them equally with the village. Let us divide them up.

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:

$60 \div 6 = \boxed{}$

$84 \div 7 = \boxed{}$

$8 \div 8 = \boxed{}$

$121 \div 11 = \boxed{}$

$32 \div 4 = \boxed{}$

$40 \div 10 = \boxed{}$

$84 \div 12 = \boxed{}$

$72 \div 8 = \boxed{}$

$9 \div 3 = \boxed{}$

$40 \div 8 = \boxed{}$

$24 \div 4 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain digs a deep tunnel in seconds, then eats a glowing golden apple.
2. The villain flies high in creative mode, then eats a glowing golden apple.
3. The villain digs a deep tunnel in seconds, then throws a shiny purple ender pearl.
4. The villain blows up a stone wall with tnt, then breaks obsidian with a netherite pick.
5. The villain swims through a pool of hot lava, then swings a shiny diamond sword.
6. The villain digs a deep tunnel in seconds, then breaks obsidian with a netherite pick.
7. The villain teleports behind the dark trees, then places a glowing redstone torch.
8. The villain blows up a stone wall with tnt, then places a glowing redstone torch.
9. The villain swims through a pool of hot lava, then eats a glowing golden apple.
10. The villain flies high in creative mode, then throws a shiny purple ender pearl.
11. The villain blows up a stone wall with tnt, then eats a glowing golden apple.
12. The villain blows up a stone wall with tnt, then throws a shiny purple ender pearl.

Answer Key

The Great Block Griefer

Culprit: TommyInnit

creative flight · golden apple · right handed · iron helmet · water splash

Trail: Start 21 → Clue 1 15 → Clue 2 8 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Percentages): "THE TARGET DOES NOT HOLD A REDSTONE TORCH"

25% of 104 = 26 (T) · 20% of 65 = 13 (C) · 20% of 160 = 32 (O) · 50% of 88 = 44 (N) · 5% of 480 = 24 (G) · 50% of 78 = 39 (L) · 20% of 205 = 41 (H) · 25% of 136 = 34 (R) · 20% of 110 = 22 (D) · 20% of 125 = 25 (E) · 25% of 120 = 30 (A) · 40% of 15 = 6 (S)

Clue 2 (Exponents): "THE GRIEFER SWINGS WITH THEIR RIGHT HAND"

$12^2 = 144$ (T) · $9^2 = 81$ (D) · $20^2 = 400$ (R) · $14^2 = 196$ (G) · $2^5 = 32$ (S) · $18^2 = 324$ (I) · $17^2 = 289$ (E) · $6^2 = 36$ (F) · $3^5 = 243$ (W) · $5^2 = 25$ (H) · $11^2 = 121$ (A) · $2^6 = 64$ (N)

Clue 3 (Order of operations): "WATER SPLASHES MAKE THE VILLAIN RUN AWAY"

$30 + 5 \times 7 = 65$ (W) · $3 + 2 \times 2 = 7$ (Y) · $28 + 9 \times 3 = 55$ (S) · $11 + 3 \times 2 = 17$ (M) · $8 + 7 \times 3 = 29$ (L) · $20 + 4 \times 5 = 40$ (N) · $16 + 6 \times 8 = 64$ (U) · $2 + 6 \times 9 = 56$ (P) · $66 + 2 \times 2 = 70$ (E) · $11 \times 7 - 2 = 75$ (K) · $3 \times 9 - 7 = 20$ (A) · $3 + 3 \times 2 = 9$ (V) · $48 + 6 \times 3 = 66$ (I) · $17 + 9 \times 6 = 71$ (H) · $8 \times 9 - 23 = 49$ (R) · $4 \times 3 - 1 = 11$ (T)

Clue 4 (Multiplication facts (1-12)): "WE FOUND AN IRON HELMET AT THE CRIME SCENE"

$11 \times 10 = 110$ (W) · $8 \times 8 = 64$ (A) · $9 \times 6 = 54$ (E) · $8 \times 12 = 96$ (I) · $10 \times 12 = 120$ (M) · $10 \times 10 = 100$ (T) · $5 \times 10 = 50$ (N) · $9 \times 5 = 45$ (O) · $2 \times 1 = 2$ (U) · $11 \times 2 = 22$ (D) · $5 \times 11 = 55$ (L) · $4 \times 10 = 40$ (S) · $12 \times 11 = 132$ (R) · $12 \times 9 = 108$ (C) · $7 \times 3 = 21$ (H) · $7 \times 8 = 56$ (F)

Clue 5 (Division facts (1-12)): surviving statement is box 2 → TommyInnit

$60 \div 6 = 10$ · $84 \div 7 = 12$ · $8 \div 8 = 1$ · $121 \div 11 = 11$ · $32 \div 4 = 8$ · $40 \div 10 = 4$ · $84 \div 12 = 7$ · $72 \div 8 = 9$ · $9 \div 3 = 3$ · $40 \div 8 = 5$ · $24 \div 4 = 6$