



The Blocky Arena Mystery

Grade 5 math · Fractions of a number, Order of operations, Multiplication, Rounding, Division · Reading level grades 3-4

Detective: _____ Date: _____

Someone stole the championship golden pixel trophy from the Emerald Craft Garden! Solve the math clues to uncover the culprit.

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 Sneaky Griefer is _____

Possible suspects

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

NAME	PRIMARY SKILL	BLOCK GEAR	PREFERRED HAND	JERSEY HAIR	GLITCH WEAKNESS
Oshae Brissett	Pixel Dunk	Netherite Shield	Right Handed	Clover Green Hair	Lava Bucket
Xavier Tillman	Slime Bounce	Diamond Hoop	Left Handed	Clover Green Hair	Splash Potion
Jaden Springer	Redstone Sprint	Obsidian Armor	Right Handed	Blocky Black Hair	Water Bucket
Neemias Queta	Slime Bounce	Netherite Shield	Left Handed	Pixel Blonde Hair	Water Bucket
Jaylen Brown	Anvil Slam	Obsidian Armor	Right Handed	Blocky Black Hair	Water Bucket
Kristaps Porzingis	Slime Bounce	Golden Apple Helmet	Right Handed	Blocky Black Hair	Water Bucket
Sam Hauser	Ender Teleport	Obsidian Armor	Left Handed	Pixel Blonde Hair	Water Bucket
Svi Mykhailiuk	Pixel Dunk	Blaze Rod Shoes	Right Handed	Blocky Black Hair	Splash Potion
Robert Williams	Redstone Sprint	Blaze Rod Shoes	Right Handed	Blocky Black Hair	Water Bucket
Derrick White	Pixel Dunk	Blaze Rod Shoes	Left Handed	Blocky Black Hair	Water Bucket
Jayson Tatum	Ender Teleport	Obsidian Armor	Right Handed	Blocky Black Hair	Lava Bucket
Luke Kornet	Slime Bounce	Netherite Shield	Right Handed	Clover Green Hair	Water Bucket
Marcus Smart	Ender Teleport	Obsidian Armor	Right Handed	Pixel Blonde Hair	Water Bucket
Kyrie Irving	Pixel Dunk	Golden Apple Helmet	Right Handed	Clover Green Hair	Splash Potion
Jrue Holiday	Anvil Slam	Blaze Rod Shoes	Left Handed	Clover Green Hair	Splash Potion
Payton Pritchard	Pixel Dunk	Golden Apple Helmet	Left Handed	Blocky Black Hair	Splash Potion
Kevin Garnett	Ender Teleport	Obsidian Armor	Right Handed	Blocky Black Hair	Splash Potion
Paul Pierce	Pixel Dunk	Blaze Rod Shoes	Right Handed	Blocky Black Hair	Water Bucket
Ray Allen	Redstone Sprint	Golden Apple Helmet	Left Handed	Pixel Blonde Hair	Lava Bucket
Grant Williams	Anvil Slam	Blaze Rod Shoes	Right Handed	Clover Green Hair	Water Bucket
Cedric Maxwell	Anvil Slam	Diamond Hoop	Left Handed	Blocky Black Hair	Lava Bucket

CLUE 1
Fractions of a number

Coach Red counted fractions of the team inventory to find a hidden message.

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

T									T								T
30	10	17	36	31	36	27	17	28	30	11	5	17	36	33	5	30	
31	36	17	38	16	5	14	11	17	33	38	27	27	14	17			
10	17	14	19	17	30												

$1/6 \text{ of } 180 = \boxed{} \rightarrow \boxed{\text{T}}$

$2/3 \text{ of } 54 = \boxed{} \rightarrow \boxed{\text{S}}$

$2/4 \text{ of } 62 = \boxed{} \rightarrow \boxed{\text{U}}$

$5/10 \text{ of } 38 = \boxed{} \rightarrow \boxed{\text{M}}$

$1/3 \text{ of } 33 = \boxed{} \rightarrow \boxed{\text{D}}$

$5/10 \text{ of } 34 = \boxed{} \rightarrow \boxed{\text{E}}$

$2/10 \text{ of } 50 = \boxed{} \rightarrow \boxed{\text{H}}$

$1/6 \text{ of } 84 = \boxed{} \rightarrow \boxed{\text{L}}$

$4/8 \text{ of } 76 = \boxed{} \rightarrow \boxed{\text{A}}$

$4/8 \text{ of } 32 = \boxed{} \rightarrow \boxed{\text{G}}$

$1/4 \text{ of } 132 = \boxed{} \rightarrow \boxed{\text{N}}$

$3/4 \text{ of } 36 = \boxed{} \rightarrow \boxed{\text{P}}$

$2/4 \text{ of } 10 = \boxed{} \rightarrow \boxed{\text{O}}$

$1/3 \text{ of } 84 = \boxed{} \rightarrow \boxed{\text{C}}$

Scratch space:

CLUE 2

Order of operations

Follow the step by step game plan sequence to solve the scoreboard equation.

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

W									W											
74	32	45	13	65	73	73	73	9	74	45	23	65	79	80	48	18	59	32	45	
					W															
73	23	30	30	45	74	32	45	23	59	32	35	23	45	23	9	13	24			

$59 + 5 \times 3 = \square \rightarrow \boxed{W}$

$8 \times 8 - 16 = \square \rightarrow \boxed{L}$

$10 \times 5 - 20 = \square \rightarrow \boxed{O}$

$9 \times 9 - 1 = \square \rightarrow \boxed{U}$

$3 + 7 \times 3 = \square \rightarrow \boxed{D}$

$1 + 2 \times 4 = \square \rightarrow \boxed{A}$

$8 \times 8 - 5 = \square \rightarrow \boxed{R}$

$9 \times 4 - 4 = \square \rightarrow \boxed{I}$

$12 \times 5 - 25 = \square \rightarrow \boxed{G}$

$38 + 5 \times 7 = \square \rightarrow \boxed{S}$

$9 \times 10 - 25 = \square \rightarrow \boxed{E}$

$15 + 8 \times 8 = \square \rightarrow \boxed{C}$

$4 \times 9 - 13 = \square \rightarrow \boxed{H}$

$8 \times 3 - 6 = \square \rightarrow \boxed{P}$

$5 + 5 \times 8 = \square \rightarrow \boxed{T}$

$9 + 2 \times 2 = \square \rightarrow \boxed{N}$

Scratch space:

CLUE 3

Multiplication facts (1-12)

Count the stacks of green building blocks lined up in equal rows.

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

P																	
11	24	21	21	64	55	6	90	70	12	110	2	55	108	12	55	108	55
																	P
70	90	24	81	21	81	55	110	108	2	36	55	36	90	90	11		

$11 \times 1 =$

→

P

$9 \times 9 =$

→

N

$5 \times 11 =$

→

E

$2 \times 1 =$

→

T

$8 \times 3 =$

→

U

$4 \times 9 =$

→

H

$10 \times 9 =$

→

O

$6 \times 2 =$

→

W

$9 \times 12 =$

→

R

$8 \times 8 =$

→

L

$2 \times 3 =$

→

S

$10 \times 11 =$

→

A

$3 \times 7 =$

→

D

$7 \times 10 =$

→

F

Scratch space:

Rounding

The arena pixel display rounds total fan attendance to the nearest hundred.

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

Diagram illustrating the distribution of 1700 units across 10 categories. The first category is highlighted with an orange background and labeled 'B'.

Category	Value
1	170
2	370
3	90
4	230
5	1700
6	500
7	2900
8	1100
9	30
10	370

The second row shows the values for the 10 categories: 900, 430, 2300, 130, 20, 430, 130, 700, 4300, 30.

The third row shows the values for the 10 categories: 900, 370, 430, 430, 3700.

Round 167 to the nearest ten $\rightarrow$ **B**

Round 292 to the nearest ten $\rightarrow$ **W**

Round 426 to the nearest ten $\rightarrow$ **0**

Round 535 to the nearest hundred $\rightarrow$ **P**

Round 370 to the nearest ten $\rightarrow$ **L**

Round 28 to the nearest ten $\rightarrow$ **E**

Round 1,264 to the nearest hundred $\rightarrow$ **S**

Round 2,278 to the nearest hundred $\rightarrow$ **U**

Round 131 to the nearest ten $\rightarrow$ **N**

Round 86 to the nearest ten → **A**

Round 4,322 to the nearest hundred → **H**

Round 2,880 to the nearest hundred $\rightarrow$

Round 1,653 to the nearest hundred → **K**

Round 685 to the nearest hundred $\rightarrow$ **T**

Round 949 to the nearest hundred → **F**

Round 1,134 to the nearest hundred →

Round 233 to the nearest ten $\rightarrow$ **C**

Round 18 to the nearest ten $\rightarrow$ **D**

Round 3,665 to the nearest hundred → **R**

Scratch space:

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

Divide the remaining emerald tokens equally among the craft team members.

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:

$28 \div 4 = \boxed{}$

$88 \div 11 = \boxed{}$

$30 \div 6 = \boxed{}$

$9 \div 3 = \boxed{}$

$10 \div 10 = \boxed{}$

$42 \div 7 = \boxed{}$

$48 \div 4 = \boxed{}$

$16 \div 8 = \boxed{}$

$22 \div 2 = \boxed{}$

$80 \div 8 = \boxed{}$

$16 \div 4 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain teleported across the court, then put on a golden apple helmet.
2. The villain sprinted on redstone rails, then crafted a diamond hoop.
3. The villain sprinted on redstone rails, then raised a netherite shield.
4. The villain teleported across the court, then built an obsidian wall.
5. The villain sprinted on redstone rails, then laced up blaze rod shoes.
6. The villain bounced off the slime pads, then put on a golden apple helmet.
7. The villain slammed down an anvil block, then built an obsidian wall.
8. The villain dunked over the defense, then laced up blaze rod shoes.
9. The villain sprinted on redstone rails, then built an obsidian wall.
10. The villain teleported across the court, then laced up blaze rod shoes.
11. The villain bounced off the slime pads, then laced up blaze rod shoes.
12. The villain dunked over the defense, then crafted a diamond hoop.

Answer Key

The Blocky Arena Mystery

Culprit: Jaden Springer

Redstone Sprint · Obsidian Armor · Right Handed · Blocky Black Hair · Water Bucket

Trail: Start 21 → Clue 1 17 → Clue 2 11 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Fractions of a number): "THE SUSPECT DOES NOT USE A GOLDEN APPLE HELMET"

$\frac{1}{6}$ of 180 = 30 (T) · $\frac{2}{3}$ of 54 = 36 (S) · $\frac{2}{4}$ of 62 = 31 (U) · $\frac{5}{10}$ of 38 = 19 (M) · $\frac{1}{3}$ of 33 = 11 (D) · $\frac{5}{10}$ of 34 = 17 (E) · $\frac{2}{10}$ of 50 = 10 (H) · $\frac{1}{6}$ of 84 = 14 (L) · $\frac{4}{8}$ of 76 = 38 (A) · $\frac{4}{8}$ of 32 = 16 (G) · $\frac{1}{4}$ of 132 = 33 (N) · $\frac{3}{4}$ of 36 = 27 (P) · $\frac{2}{4}$ of 10 = 5 (O) · $\frac{1}{3}$ of 84 = 28 (C)

Clue 2 (Order of operations): "WITNESS SAW THE CULPRIT SHOOT WITH RIGHT HAND"

$59 + 5 \times 3 = 74$ (W) · $8 \times 8 - 16 = 48$ (L) · $10 \times 5 - 20 = 30$ (O) · $9 \times 9 - 1 = 80$ (U) · $3 + 7 \times 3 = 24$ (D) · $1 + 2 \times 4 = 9$ (A) · $8 \times 8 - 5 = 59$ (R) · $9 \times 4 - 4 = 32$ (I) · $12 \times 5 - 25 = 35$ (G) · $38 + 5 \times 7 = 73$ (S) · $9 \times 10 - 25 = 65$ (E) · $15 + 8 \times 8 = 79$ (C) · $4 \times 9 - 13 = 23$ (H) · $8 \times 3 - 6 = 18$ (P) · $5 + 5 \times 8 = 45$ (T) · $9 + 2 \times 2 = 13$ (N)

Clue 3 (Multiplication facts (1-12)): "PUDDLES OF WATER WERE FOUND NEAR THE HOOP"

$11 \times 1 = 11$ (P) · $9 \times 9 = 81$ (N) · $5 \times 11 = 55$ (E) · $2 \times 1 = 2$ (T) · $8 \times 3 = 24$ (U) · $4 \times 9 = 36$ (H) · $10 \times 9 = 90$ (O) · $6 \times 2 = 12$ (W) · $9 \times 12 = 108$ (R) · $8 \times 8 = 64$ (L) · $2 \times 3 = 6$ (S) · $10 \times 11 = 110$ (A) · $3 \times 7 = 21$ (D) · $7 \times 10 = 70$ (F)

Clue 4 (Rounding): "BLACK PIXEL FIBERS WERE FOUND ON THE FLOOR"

Round 167 to the nearest ten = 170 (B) · Round 292 to the nearest ten = 290 (W) · Round 426 to the nearest ten = 430 (O) · Round 535 to the nearest hundred = 500 (P) · Round 370 to the nearest ten = 370 (L) · Round 28 to the nearest ten = 30 (E) · Round 1,264 to the nearest hundred = 1300 (S) · Round 2,278 to the nearest hundred = 2300 (U) · Round 131 to the nearest ten = 130 (N) · Round 86 to the nearest ten = 90 (A) · Round 4,322 to the nearest hundred = 4300 (H) · Round 2,880 to the nearest hundred = 2900 (I) · Round 1,653 to the nearest hundred = 1700 (K) · Round 685 to the nearest hundred = 700 (T) · Round 949 to the nearest hundred = 900 (F) · Round 1,134 to the nearest hundred = 1100 (X) · Round 233 to the nearest ten = 230 (C) · Round 18 to the nearest ten = 20 (D) · Round 3,665 to the nearest hundred = 3700 (R)

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

$28 \div 4 = 7$ · $88 \div 11 = 8$ · $30 \div 6 = 5$ · $9 \div 3 = 3$ · $10 \div 10 = 1$ · $42 \div 7 = 6$ · $48 \div 4 = 12$ · $16 \div 8 = 2$ · $22 \div 2 = 11$ · $80 \div 8 = 10$ · $16 \div 4 = 4$