



The Great Blocky Cup Mystery

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

Detective: _____ Date: _____

A rogue player has ruined the championship match! They used blocky powers to swap the soccer ball for a heavy block of bedrock. We must find the Griefing Striker before the stadium turns into obsidian!

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 Griefing Striker 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	SPAWNED MOB	SHOOTING FOOT	HELMET TYPE	WEAK AGAINST
Aphmau	Speed Bridge	Charged Creeper	Left Footed	Gold Helmet	Splash Water
Mo Salah	Teleporting	Ender Dragon	Right Footed	Iron Helmet	Vibration Sensors
Sonny	Block Blast	Iron Golem	Right Footed	Iron Helmet	Splash Water
Steve	Teleporting	Ender Dragon	Right Footed	Diamond Helmet	Vibration Sensors
LDShadowLady	Infinite Dash	Tame Wolf	Left Footed	Diamond Helmet	Lava Buckets
George	Block Blast	Charged Creeper	Right Footed	Gold Helmet	Splash Water
Zlatan	Block Blast	Baby Zombie	Left Footed	Iron Helmet	Vibration Sensors
Noob	Teleporting	Iron Golem	Right Footed	Diamond Helmet	Lava Buckets
Messi	Super Jump	Ender Dragon	Right Footed	Diamond Helmet	Splash Water
Pro Player	Speed Bridge	Tame Wolf	Right Footed	Iron Helmet	Vibration Sensors
Alex	Block Blast	Baby Zombie	Right Footed	Iron Helmet	Lava Buckets
Megan	Block Blast	Baby Zombie	Right Footed	Iron Helmet	Vibration Sensors
Herobrine	Super Jump	Charged Creeper	Right Footed	Iron Helmet	Vibration Sensors
Stampy	Infinite Dash	Tame Wolf	Left Footed	Iron Helmet	Vibration Sensors
Dream	Block Blast	Baby Zombie	Left Footed	Iron Helmet	Splash Water
Sapnap	Speed Bridge	Charged Creeper	Left Footed	Gold Helmet	Lava Buckets
Captain Spark	Speed Bridge	Baby Zombie	Right Footed	Iron Helmet	Splash Water
Erling	Speed Bridge	Ender Dragon	Right Footed	Gold Helmet	Splash Water
Ronaldo	Block Blast	Baby Zombie	Right Footed	Diamond Helmet	Lava Buckets
Neymar	Infinite Dash	Baby Zombie	Right Footed	Iron Helmet	Vibration Sensors
Harry Kane	Super Jump	Tame Wolf	Left Footed	Diamond Helmet	Vibration Sensors

CLUE 1

The arena radar tracks speed blocks but only shows them rounded to the nearest ten. Round this block count to find our first clue!

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

T																T
600	900	700	3000	9000	50	50	5000	9000	7000	20	4000	700	800	7000	4000	600
800	40	5000	300	7000	5000	90	200	700	700	40	700	200				

Round 559 to the nearest hundred $\rightarrow$ **T**

Round 295 to the nearest hundred $\rightarrow$ **W**

Round 47 to the nearest ten $\rightarrow$ **L**

Round 91 to the nearest ten $\rightarrow$ **C**

Round 728 to the nearest hundred → **E**

Round 851 to the nearest hundred → **H**

Round 160 to the nearest hundred → **R**

Round 2,663 to the nearest thousand → **V**

Round 5,074 to the nearest thousand → **A**

Round 43 to the nearest ten $\rightarrow$ **P**

Round 8,834 to the nearest thousand $\rightarrow$

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

Round 4,212 to the nearest thousand $\rightarrow$

Round 831 to the nearest hundred $\rightarrow$ **S**

Round 7,056 to the nearest thousand → **N**

Scratch space:

CLUE 2 Addition

The team needs to tally up the golden apples in the chest. Add these numbers together to unlock the next piece of evidence!

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

T															
276	972	431	668	590	916	916	921	590	582	909	278	309	909	431	867
		T		T						T					T
921	278	276	972	276	972	431	516	278	558	972	276	897	949	949	276

$133 + 143 = \square \rightarrow$ T	$305 + 667 = \square \rightarrow$ H	$399 + 522 = \square \rightarrow$ W
$387 + 203 = \square \rightarrow$ A	$505 + 392 = \square \rightarrow$ F	$362 + 306 = \square \rightarrow$ B
$605 + 311 = \square \rightarrow$ L	$258 + 173 = \square \rightarrow$ E	$241 + 275 = \square \rightarrow$ R
$318 + 264 = \square \rightarrow$ S	$633 + 276 = \square \rightarrow$ K	$146 + 163 = \square \rightarrow$ C
$220 + 338 = \square \rightarrow$ G	$386 + 563 = \square \rightarrow$ O	$455 + 412 = \square \rightarrow$ D
$115 + 163 = \square \rightarrow$ I		

Scratch space:

CLUE 3
Subtraction

The opponent stole some redstone dust from our dispensers. Subtract the missing dust to figure out where they fled!

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

T			T						T								
571	238	499	571	416	620	533	499	571	672	612	434	534	612	646	499	434	

					T											
860	612	801	620	416	571	612	685	816	434	499	816	434	685	620	434	

$702 - 131 = \boxed{} \rightarrow \boxed{\text{T}}$

$727 - 115 = \boxed{} \rightarrow \boxed{\text{I}}$

$731 - 198 = \boxed{} \rightarrow \boxed{\text{G}}$

$551 - 135 = \boxed{} \rightarrow \boxed{\text{A}}$

$994 - 193 = \boxed{} \rightarrow \boxed{\text{B}}$

$398 - 160 = \boxed{} \rightarrow \boxed{\text{H}}$

$1214 - 354 = \boxed{} \rightarrow \boxed{\text{V}}$

$876 - 230 = \boxed{} \rightarrow \boxed{\text{K}}$

$994 - 374 = \boxed{} \rightarrow \boxed{\text{R}}$

$920 - 386 = \boxed{} \rightarrow \boxed{\text{L}}$

$807 - 122 = \boxed{} \rightarrow \boxed{\text{O}}$

$451 - 17 = \boxed{} \rightarrow \boxed{\text{S}}$

$868 - 196 = \boxed{} \rightarrow \boxed{\text{D}}$

$627 - 128 = \boxed{} \rightarrow \boxed{\text{E}}$

$920 - 104 = \boxed{} \rightarrow \boxed{\text{N}}$

Scratch space:

CLUE 4
Multiplication facts (1-12)

We found rows of mysterious footprints near the net. Multiply the rows by the feet to count the clues left behind!

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

A															
8	30	121	9	11	90	9	15	64	11	121	25	24	88	25	84

			A			A											
30	7	15	8	108	48	8	30	24	25	27	84	20	25	121	9	11	132

$1 \times 8 = \square \rightarrow \text{A}$

$12 \times 4 = \square \rightarrow \text{W}$

$2 \times 10 = \square \rightarrow \text{B}$

$9 \times 12 = \square \rightarrow \text{P}$

$6 \times 5 = \square \rightarrow \text{S}$

$8 \times 8 = \square \rightarrow \text{O}$

$9 \times 3 = \square \rightarrow \text{F}$

$8 \times 11 = \square \rightarrow \text{M}$

$1 \times 11 = \square \rightarrow \text{N}$

$5 \times 3 = \square \rightarrow \text{R}$

$7 \times 1 = \square \rightarrow \text{C}$

$2 \times 12 = \square \rightarrow \text{L}$

$11 \times 12 = \square \rightarrow \text{D}$

$10 \times 9 = \square \rightarrow \text{Y}$

$11 \times 11 = \square \rightarrow \text{H}$

$7 \times 12 = \square \rightarrow \text{T}$

$9 \times 1 = \square \rightarrow \text{I}$

$5 \times 5 = \square \rightarrow \text{E}$

Scratch space:

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

We must share the healing potions equally among the defenders. Divide the inventory to get the final 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:

$35 \div 5 = \boxed{}$

$20 \div 10 = \boxed{}$

$12 \div 2 = \boxed{}$

$80 \div 10 = \boxed{}$

$33 \div 11 = \boxed{}$

$4 \div 4 = \boxed{}$

$120 \div 12 = \boxed{}$

$60 \div 12 = \boxed{}$

$99 \div 9 = \boxed{}$

$16 \div 4 = \boxed{}$

$45 \div 5 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain dashes infinitely past defenders, then calls an iron golem to block the goalie.
2. The villain teleports across the field, then rides an ender dragon into the sky.
3. The villain teleports across the field, then orders a tame wolf to guard the path.
4. The villain uses super jump to leap high, then calls an iron golem to block the goalie.
5. The villain teleports across the field, then calls an iron golem to block the goalie.
6. The villain builds a speed bridge to escape, then orders a tame wolf to guard the path.
7. The villain dashes infinitely past defenders, then summons a baby zombie to steal the ball.
8. The villain builds a speed bridge to escape, then calls an iron golem to block the goalie.
9. The villain uses super jump to leap high, then summons a baby zombie to steal the ball.
10. The villain dashes infinitely past defenders, then rides an ender dragon into the sky.
11. The villain blasts a block out of the wall, then rides an ender dragon into the sky.
12. The villain blasts a block out of the wall, then summons a baby zombie to steal the ball.

Answer Key

The Great Blocky Cup Mystery

Culprit: Megan

Block Blast · Baby Zombie · Right Footed · Iron Helmet · Vibration Sensors

Trail: Start 21 → Clue 1 17 → Clue 2 12 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE VILLAIN DOES NOT SPAWN A CREEPER"

Round 559 to the nearest hundred = 600 (T) · Round 295 to the nearest hundred = 300 (W) · Round 47 to the nearest ten = 50 (L) · Round 91 to the nearest ten = 90 (C) · Round 728 to the nearest hundred = 700 (E) · Round 851 to the nearest hundred = 900 (H) · Round 160 to the nearest hundred = 200 (R) · Round 2,663 to the nearest thousand = 3000 (V) · Round 5,074 to the nearest thousand = 5000 (A) · Round 43 to the nearest ten = 40 (P) · Round 8,834 to the nearest thousand = 9000 (I) · Round 18 to the nearest ten = 20 (D) · Round 4,212 to the nearest thousand = 4000 (O) · Round 831 to the nearest hundred = 800 (S) · Round 7,056 to the nearest thousand = 7000 (N)

Clue 2 (Addition): "THE BALL WAS KICKED WITH THE RIGHT FOOT"

$133 + 143 = 276$ (T) · $305 + 667 = 972$ (H) · $399 + 522 = 921$ (W) · $387 + 203 = 590$ (A) · $505 + 392 = 897$ (F) · $362 + 306 = 668$ (B) · $605 + 311 = 916$ (L) · $258 + 173 = 431$ (E) · $241 + 275 = 516$ (R) · $318 + 264 = 582$ (S) · $633 + 276 = 909$ (K) · $146 + 163 = 309$ (C) · $220 + 338 = 558$ (G) · $386 + 563 = 949$ (O) · $455 + 412 = 867$ (D) · $115 + 163 = 278$ (I)

Clue 3 (Subtraction): "THE TARGET DISLIKES VIBRATION SENSORS"

$702 - 131 = 571$ (T) · $727 - 115 = 612$ (I) · $731 - 198 = 533$ (G) · $551 - 135 = 416$ (A) · $994 - 193 = 801$ (B) · $398 - 160 = 238$ (H) · $1214 - 354 = 860$ (V) · $876 - 230 = 646$ (K) · $994 - 374 = 620$ (R) · $920 - 386 = 534$ (L) · $807 - 122 = 685$ (O) · $451 - 17 = 434$ (S) · $868 - 196 = 672$ (D) · $627 - 128 = 499$ (E) · $920 - 104 = 816$ (N)

Clue 4 (Multiplication facts (1-12)): "A SHINY IRON HELMET SCRAP WAS LEFT BEHIND"

$1 \times 8 = 8$ (A) · $12 \times 4 = 48$ (W) · $2 \times 10 = 20$ (B) · $9 \times 12 = 108$ (P) · $6 \times 5 = 30$ (S) · $8 \times 8 = 64$ (O) · $9 \times 3 = 27$ (F) · $8 \times 11 = 88$ (M) · $1 \times 11 = 11$ (N) · $5 \times 3 = 15$ (R) · $7 \times 1 = 7$ (C) · $2 \times 12 = 24$ (L) · $11 \times 12 = 132$ (D) · $10 \times 9 = 90$ (Y) · $11 \times 11 = 121$ (H) · $7 \times 12 = 84$ (T) · $9 \times 1 = 9$ (I) · $5 \times 5 = 25$ (E)

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

$35 \div 5 = 7$ · $20 \div 10 = 2$ · $12 \div 2 = 6$ · $80 \div 10 = 8$ · $33 \div 11 = 3$ · $4 \div 4 = 1$ · $120 \div 12 = 10$ · $60 \div 12 = 5$ · $99 \div 9 = 11$ · $16 \div 4 = 4$ · $45 \div 5 = 9$