



The Great Glowstone Hoops Heist

Grade 9 math · Multiplication, Multi-step word problems, Addition, Subtraction, Division · Reading level grades 3-4

Detective: _____ **Date:** _____

The Golden Basketball made of pure glowstone has been stolen from the Pixel League Championship! The game is on hold and the stadium is in lock-down. We need a clever detective to track down the blocky bot who took it!

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 Redstone Rogue is _____

Possible suspects

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

NAME	SIGNATURE MOVE	HELD GEAR	SHOOTING STYLE	HEAD DETAILS	COUNTER WEAPON
Dunk-Bot LeBron	Slime-Bounce Hop	Netherite Shoes	Left-Handed Shooter	Green Vines	Lava Buckets
Stampy	Redstone Turbo	Obsidian Ball	Right-Handed Shooter	Green Vines	Snowball Attacks
Zombie Dirk	Double-Jump Jet	Iron Chestplate	Right-Handed Shooter	Blue Copper Wires	Snowball Attacks
Volt Vince	Redstone Turbo	Diamond Helmet	Right-Handed Shooter	Orange Redstone Sparks	Lava Buckets
Cyber-Curry	TNT Slam-Dunk	Obsidian Ball	Left-Handed Shooter	Green Vines	Snowball Attacks
Alex	Double-Jump Jet	Netherite Shoes	Right-Handed Shooter	Green Vines	Lava Buckets
Nether Jokic	Slime-Bounce Hop	Netherite Shoes	Right-Handed Shooter	Green Vines	Lava Buckets
Steve	Ender-Port Dash	Diamond Helmet	Right-Handed Shooter	Green Vines	Lava Buckets
Blocky Butler	Redstone Turbo	Golden Carrot Juice	Right-Handed Shooter	Green Vines	Lava Buckets
Slam-Tron Shaq	Ender-Port Dash	Iron Chestplate	Right-Handed Shooter	Orange Redstone Sparks	Lava Buckets
Robo-Yao	TNT Slam-Dunk	Netherite Shoes	Right-Handed Shooter	Green Vines	Lava Buckets
Redstone Jordan	Ender-Port Dash	Obsidian Ball	Right-Handed Shooter	Orange Redstone Sparks	Lava Buckets
DanTDM	Redstone Turbo	Netherite Shoes	Left-Handed Shooter	Green Vines	Lava Buckets
Hopper Kobe	Redstone Turbo	Netherite Shoes	Right-Handed Shooter	Blue Copper Wires	Snowball Attacks
Micro-Mike	Double-Jump Jet	Iron Chestplate	Left-Handed Shooter	Green Vines	Lava Buckets
Buzzer-Bot Giannis	Slime-Bounce Hop	Netherite Shoes	Right-Handed Shooter	Blue Copper Wires	Water Buckets
Gizmo George	TNT Slam-Dunk	Obsidian Ball	Right-Handed Shooter	Blue Copper Wires	Snowball Attacks
Cyber-Caitlin	Ender-Port Dash	Golden Carrot Juice	Left-Handed Shooter	Orange Redstone Sparks	Water Buckets
Captain Sparklez	Double-Jump Jet	Iron Chestplate	Left-Handed Shooter	Green Vines	Water Buckets
Creeper Kawhi	Ender-Port Dash	Golden Carrot Juice	Right-Handed Shooter	Blue Copper Wires	Water Buckets
Pixel Luka	Slime-Bounce Hop	Obsidian Ball	Left-Handed Shooter	Blue Copper Wires	Lava Buckets

CLUE 1
Multiplication facts (1-12)

We checked the storage room where basketballs are kept in equal rows. Multiply the rows of balls to find the code for the first clue.

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

T								T								
60	90	18	35	14	55	21	55	60	14	100	24	21	1			
									T							
96	55	4	14	18	21	80	7	100	100	55	60	33	27	24	80	18

$12 \times 5 = \square \rightarrow \boxed{\text{T}}$

$5 \times 11 = \square \rightarrow \boxed{\text{O}}$

$1 \times 7 = \square \rightarrow \boxed{\text{A}}$

$7 \times 2 = \square \rightarrow \boxed{\text{D}}$

$9 \times 3 = \square \rightarrow \boxed{\text{U}}$

$6 \times 3 = \square \rightarrow \boxed{\text{E}}$

$10 \times 10 = \square \rightarrow \boxed{\text{R}}$

$1 \times 4 = \square \rightarrow \boxed{\text{L}}$

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

$7 \times 3 = \square \rightarrow \boxed{\text{N}}$

$3 \times 8 = \square \rightarrow \boxed{\text{I}}$

$12 \times 8 = \square \rightarrow \boxed{\text{G}}$

$8 \times 10 = \square \rightarrow \boxed{\text{C}}$

$7 \times 5 = \square \rightarrow \boxed{\text{Y}}$

$10 \times 9 = \square \rightarrow \boxed{\text{H}}$

$11 \times 3 = \square \rightarrow \boxed{\text{J}}$

Scratch space:

CLUE 2

Multi-step word problems

Coach Blocky had a pile of glowstone blocks. He gave some away and then divided the rest among the players to get the next code.

Solve each problem, then write its letter in the boxes to fill in the missing word.

A witness saw the villain was

R									D	E	D	S		O	O		E	R
67	18	15	72	10	72	37	39					72			10			67

Coach Blocky earned 5 redstone repeaters in each of 3 rounds, plus 58 bonus redstone repeaters. Then 6 redstone repeaters were lost. How many redstone repeaters are left?

Answer: → **R**

Coach Blocky filled 6 boxes with 3 redstone repeaters each, then found 19 more redstone repeaters. How many redstone repeaters are there in all?

Answer: → **A**

There were 360 slimeballs in all. 4 Nether Star Dunkers used 36 slimeballs each. The other 3 Nether Star Dunkers shared the rest equally. How many slimeballs did each of the other Nether Star Dunkers get?

Answer: → **H**

Coach Blocky collected 23 iron ingots in the morning and 7 iron ingots in the afternoon, then split them equally among 2 Nether Star Dunkers. How many iron ingots did each get?

Answer: → **G**

Coach Blocky earned 2 glowstone blocks in each of 2 rounds, plus 27 bonus glowstone blocks. Then 13 glowstone blocks were lost. How many glowstone blocks are left?

Answer: → **I**

Coach Blocky collected 91 redstone repeaters in the morning and 65 redstone repeaters in the afternoon, then split them equally among 4 Nether Star Dunkers. How many redstone repeaters did each get?

Answer: → **N**

There were 94 basketballs in all. 14 basketballs were set aside. The rest were shared equally among 8 Nether Star Dunkers. How many basketballs did each get?

Answer: → **T**

Scratch space:

CLUE 3 Addition

The scorekeeper added up all the points from the redstone lasers and the slimeball baskets to unlock the third clue.

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

T																			
6166	2900	9276	5190	3809	4897	4084	9276	6502	2900	5190	4084	7287	6679	2845	5190	3809	2816		
2533	8163	8638	8163	6874	4084	3713	6679	9276	6166	6502									

$4127 + 2039 = \square \rightarrow \text{T}$	$5879 + 3397 = \square \rightarrow \text{E}$	$4217 + 3946 = \square \rightarrow \text{A}$
$2344 + 1740 = \square \rightarrow \text{U}$	$1045 + 1488 = \square \rightarrow \text{L}$	$1851 + 994 = \square \rightarrow \text{F}$
$1811 + 3086 = \square \rightarrow \text{G}$	$4165 + 2514 = \square \rightarrow \text{K}$	$2094 + 3096 = \square \rightarrow \text{R}$
$2543 + 1266 = \square \rightarrow \text{O}$	$2191 + 1522 = \square \rightarrow \text{C}$	$3070 + 5568 = \square \rightarrow \text{V}$
$1543 + 1273 = \square \rightarrow \text{M}$	$2015 + 885 = \square \rightarrow \text{H}$	$3834 + 3040 = \square \rightarrow \text{B}$
$3355 + 3147 = \square \rightarrow \text{S}$	$2994 + 4293 = \square \rightarrow \text{N}$	

Scratch space:

CLUE 4

Subtraction

Some redstone repeaters were missing from the scoreboard. Subtract the remaining repeaters from the original total to get the number we need.

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

W																
3136	3417	7591	3587	5778	2365	2432	4783	5903	3417	3417	2365	7695	2070	2365	3417	4760
3915	7184	3417	2365	3417	3915											

$3902 - 766 = \square \rightarrow \boxed{W}$

$6843 - 1065 = \square \rightarrow \boxed{U}$

$8396 - 3613 = \square \rightarrow \boxed{G}$

$7187 - 3 = \square \rightarrow \boxed{H}$

$6163 - 2576 = \square \rightarrow \boxed{O}$

$3488 - 1418 = \square \rightarrow \boxed{I}$

$8737 - 4822 = \square \rightarrow \boxed{T}$

$2830 - 398 = \square \rightarrow \boxed{D}$

$8279 - 4862 = \square \rightarrow \boxed{E}$

$12184 - 4489 = \square \rightarrow \boxed{V}$

$9277 - 1686 = \square \rightarrow \boxed{F}$

$6609 - 4244 = \square \rightarrow \boxed{N}$

$10261 - 1282 = \square \rightarrow \boxed{A}$

$9191 - 3288 = \square \rightarrow \boxed{R}$

$9442 - 4682 = \square \rightarrow \boxed{S}$

Scratch space:

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

The referee shared a batch of iron ingots equally among the teams. Divide them up to crack 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:

$36 \div 6 = \boxed{}$

$88 \div 11 = \boxed{}$

$44 \div 4 = \boxed{}$

$5 \div 5 = \boxed{}$

$15 \div 5 = \boxed{}$

$60 \div 6 = \boxed{}$

$36 \div 4 = \boxed{}$

$2 \div 1 = \boxed{}$

$28 \div 7 = \boxed{}$

$28 \div 4 = \boxed{}$

$72 \div 6 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain leaped into the rafters with a double-jump jet, then dropped a bottle of golden carrot juice.
2. The villain leaped into the rafters with a double-jump jet, then rattled their heavy iron chestplate.
3. The villain teleported through the hoop with an ender-port dash, then dropped a bottle of golden carrot juice.
4. The villain bounced high off the court with a slime-bounce hop, then lost their shiny diamond helmet.
5. The villain blew up the backboard with a tnt slam-dunk, then left scuff marks from their netherite shoes.
6. The villain leaped into the rafters with a double-jump jet, then left scuff marks from their netherite shoes.
7. The villain leaped into the rafters with a double-jump jet, then lost their shiny diamond helmet.
8. The villain bounced high off the court with a slime-bounce hop, then left scuff marks from their netherite shoes.
9. The villain teleported through the hoop with an ender-port dash, then left scuff marks from their netherite shoes.
10. The villain blew up the backboard with a tnt slam-dunk, then passed a heavy obsidian ball.
11. The villain teleported through the hoop with an ender-port dash, then lost their shiny diamond helmet.
12. The villain zoomed past the defense with redstone turbo, then dropped a bottle of golden carrot juice.

Answer Key

The Great Glowstone Hoops Heist

Culprit: Robo-Yao

TNT Slam-Dunk · Netherite Shoes · Right-Handed Shooter · Green Vines · Lava Buckets

Trail: Start 21 → Clue 1 18 → Clue 2 12 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Multiplication facts (1-12)): "THEY DO NOT DRINK GOLDEN CARROT JUICE"

$12 \times 5 = 60$ (T) · $5 \times 11 = 55$ (O) · $1 \times 7 = 7$ (A) · $7 \times 2 = 14$ (D) · $9 \times 3 = 27$ (U) · $6 \times 3 = 18$ (E) · $10 \times 10 = 100$ (R) · $1 \times 4 = 4$ (L) · $1 \times 1 = 1$ (K) · $7 \times 3 = 21$ (N) · $3 \times 8 = 24$ (I) · $12 \times 8 = 96$ (G) · $8 \times 10 = 80$ (C) · $7 \times 5 = 35$ (Y) · $10 \times 9 = 90$ (H) · $11 \times 3 = 33$ (J)

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

Coach Blocky earned 5 redstone repeaters in each of 3 rounds, plus 58 bonus redstone repeaters. Then 6 redstone repeaters were lost. How many redstone repeaters are left? = 67 (R) · Coach Blocky filled 6 boxes with 3 redstone repeaters each, then found 19 more redstone repeaters. How many redstone repeaters are there in all? = 37 (A) · There were 360 slimeballs in all. 4 Nether Star Dunkers used 36 slimeballs each. The other 3 Nether Star Dunkers shared the rest equally. How many slimeballs did each of the other Nether Star Dunkers get? = 72 (H) · Coach Blocky collected 23 iron ingots in the morning and 7 iron ingots in the afternoon, then split them equally among 2 Nether Star Dunkers. How many iron ingots did each get? = 15 (G) · Coach Blocky earned 2 glowstone blocks in each of 2 rounds, plus 27 bonus glowstone blocks. Then 13 glowstone blocks were lost. How many glowstone blocks are left? = 18 (I) · Coach Blocky collected 91 redstone repeaters in the morning and 65 redstone repeaters in the afternoon, then split them equally among 4 Nether Star Dunkers. How many redstone repeaters did each get? = 39 (N) · There were 94 basketballs in all. 14 basketballs were set aside. The rest were shared equally among 8 Nether Star Dunkers. How many basketballs did each get? = 10 (T)

Clue 3 (Addition): "THE ROGUE SHRUNK FROM LAVA BUCKETS"

$4127 + 2039 = 6166$ (T) · $5879 + 3397 = 9276$ (E) · $4217 + 3946 = 8163$ (A) · $2344 + 1740 = 4084$ (U) · $1045 + 1488 = 2533$ (L) · $1851 + 994 = 2845$ (F) · $1811 + 3086 = 4897$ (G) · $4165 + 2514 = 6679$ (K) · $2094 + 3096 = 5190$ (R) · $2543 + 1266 = 3809$ (O) · $2191 + 1522 = 3713$ (C) · $3070 + 5568 = 8638$ (V) · $1543 + 1273 = 2816$ (M) · $2015 + 885 = 2900$ (H) · $3834 + 3040 = 6874$ (B) · $3355 + 3147 = 6502$ (S) · $2994 + 4293 = 7287$ (N)

Clue 4 (Subtraction): "WE FOUND GREEN VINES AT THE NET"

$3902 - 766 = 3136$ (W) · $6843 - 1065 = 5778$ (U) · $8396 - 3613 = 4783$ (G) · $7187 - 3 = 7184$ (H) · $6163 - 2576 = 3587$ (O) · $3488 - 1418 = 2070$ (I) · $8737 - 4822 = 3915$ (T) · $2830 - 398 = 2432$ (D) · $8279 - 4862 = 3417$ (E) · $12184 - 4489 = 7695$ (V) · $9277 - 1686 = 7591$ (F) · $6609 - 4244 = 2365$ (N) · $10261 - 1282 = 8979$ (A) · $9191 - 3288 = 5903$ (R) · $9442 - 4682 = 4760$ (S)

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

$36 \div 6 = 6$ · $88 \div 11 = 8$ · $44 \div 4 = 11$ · $5 \div 5 = 1$ · $15 \div 5 = 3$ · $60 \div 6 = 10$ · $36 \div 4 = 9$ · $2 \div 1 = 2$ · $28 \div 7 = 4$ · $28 \div 4 = 7$ · $72 \div 6 = 12$