



The Redstone Rampage

Grade 4 math · Rounding, Word problems, Addition, Subtraction, Division · Reading level grades 5-6

Detective: _____ **Date:** _____

A rogue bot has hijacked the mainframe at the Blocky Bastion! It stole the master blueprints for the giant Redstone Golem and locked the Head Redstone Engineer in a deep vault. We must track down the culprit before they build an unstoppable blocky army.

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 rogue automation bot is _____

Possible suspects

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

NAME	PRIMARY MODULE	SECONDARY GEAR	COMBAT STANCE	EXPOSED WIRING	SYSTEM GLITCH
Glitch Greg	Jetpack Flight	Diamond Sword	Right Handed Combat	Blue Cables	Freeze Rays
Ender Emma	Jetpack Flight	Teleportation	Right Handed Combat	Copper Wires	Magnet Pulls
Widget Will	Obsidian Shielding	Lava Immunity	Right Handed Combat	Blue Cables	Water Splashes
Pixel Penny	Redstone Blasting	Sonic Sensor	Right Handed Combat	Glowstone Fibers	Water Splashes
Pixel Steve	Obsidian Shielding	TNT Launcher	Right Handed Combat	Glowstone Fibers	Magnet Pulls
Ender Gary	Obsidian Shielding	Teleportation	Left Handed Combat	Glowstone Fibers	Magnet Pulls
Redstone Rita	Pistons Pushing	TNT Launcher	Right Handed Combat	Copper Wires	Freeze Rays
Alex Tech	Jetpack Flight	Diamond Sword	Right Handed Combat	Glowstone Fibers	Magnet Pulls
Cyber Cody	Laser Mining	Diamond Sword	Right Handed Combat	Glowstone Fibers	Water Splashes
Circuit Sid	Jetpack Flight	TNT Launcher	Left Handed Combat	Blue Cables	Water Splashes
Obsidian Ollie	Redstone Blasting	Diamond Sword	Left Handed Combat	Blue Cables	Magnet Pulls
Vector Val	Redstone Blasting	Diamond Sword	Right Handed Combat	Glowstone Fibers	Magnet Pulls
Golem Mike	Laser Mining	TNT Launcher	Right Handed Combat	Blue Cables	Freeze Rays
Lapis Linda	Laser Mining	Sonic Sensor	Left Handed Combat	Glowstone Fibers	Water Splashes
Copper Jeb	Obsidian Shielding	TNT Launcher	Right Handed Combat	Blue Cables	Magnet Pulls
Gearbox Gene	Laser Mining	Diamond Sword	Left Handed Combat	Copper Wires	Magnet Pulls
Miner Manny	Obsidian Shielding	Teleportation	Right Handed Combat	Glowstone Fibers	Water Splashes
Rusty Notch	Laser Mining	Diamond Sword	Right Handed Combat	Blue Cables	Magnet Pulls
Sprocket Sam	Laser Mining	TNT Launcher	Right Handed Combat	Glowstone Fibers	Water Splashes
Bolt Billy	Pistons Pushing	Lava Immunity	Left Handed Combat	Copper Wires	Water Splashes
Gizmo Gabe	Jetpack Flight	Diamond Sword	Right Handed Combat	Glowstone Fibers	Water Splashes

CLUE 1 Rounding

To start the search, we must solve the inventory log. The Iron Golem needs to recount the mined items to see where the runaway bot started digging.

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

T									T								T
2000	30	90	1100	230	1100	430	90	7000	2000	50	900	90	1100	200	900	2000	

T							T
2000	90	110	90	430	900	2300	2000

Round 1,606 to the nearest thousand → **T**

Round 1,115 to the nearest hundred → **S**

Round 234 to the nearest ten → **U**

Round 107 to the nearest ten → **L**

Round 32 to the nearest ten → **H**

Round 53 to the nearest ten → **D**

Round 200 to the nearest hundred → **N**

Round 2,252 to the nearest hundred → **R**

Round 880 to the nearest hundred → **O**

Round 426 to the nearest ten → **P**

Round 92 to the nearest ten → **E**

Round 7,016 to the nearest thousand → **C**

Scratch space:

CLUE 2

Word problems

A motion sensor scanned the cave exit but only printed rounded numbers on the screen. Let us round these values to find which direction the thief ran.

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	C	O	M	B		
12	45	25	19	23	19	47	41									47	23

The Iron Golem lined up 4 rows of 3 diamond pickaxes. How many diamond pickaxes in all?

Answer: → **R**

The Iron Golem lined up 5 rows of 9 copper gears. How many copper gears in all?

Answer: → **I**

The Iron Golem found 19 diamond pickaxes yesterday and 22 more today. How many diamond pickaxes in all?

Answer: → **N**

The Iron Golem lined up 5 rows of 5 redstone dust blocks. How many redstone dust blocks in all?

Answer: → **G**

There were 59 iron ingots. 40 were used up. How many iron ingots are left?

Answer: → **H**

There were 31 iron ingots. 8 were used up. How many iron ingots are left?

Answer: → **T**

The Iron Golem found 45 slimeballs yesterday and 2 more today. How many slimeballs in all?

Answer: → **A**

Scratch space:

CLUE 3 **Addition**

We found a pile of discarded redstone chests. Adding up all the scattered blocks will reveal a secret code that unlocks the next security room.

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

T 9811 9691 5049	3012 9565 9811	4883 9691 9565 2772	T 9811 4883	9565 3334 9811	5022 7907
T 2332 3392 9811 5049 2772					

$5649 + 4162 = \square \rightarrow \boxed{\text{T}}$

$1393 + 939 = \square \rightarrow \boxed{\text{W}}$

$5135 + 4556 = \square \rightarrow \boxed{\text{H}}$

$1016 + 1756 = \square \rightarrow \boxed{\text{R}}$

$1871 + 1521 = \square \rightarrow \boxed{\text{A}}$

$1898 + 2985 = \square \rightarrow \boxed{\text{S}}$

$6356 + 3209 = \square \rightarrow \boxed{\text{O}}$

$1903 + 1109 = \square \rightarrow \boxed{\text{B}}$

$3266 + 1756 = \square \rightarrow \boxed{\text{I}}$

$3500 + 4407 = \square \rightarrow \boxed{\text{N}}$

$3232 + 1817 = \square \rightarrow \boxed{\text{E}}$

$1875 + 1459 = \square \rightarrow \boxed{\text{U}}$

Scratch space:

CLUE 4 Subtraction

The runaway bot drained power from our beacons. By subtracting the lost energy points, we can calculate how much power the bot has left.

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

Y																			
4886	6645	2514	2514	6892	8950	2310	2514	6892	8950	4758	3079	6892	4612	6645	8950	1914	4462	6645	
4758	7670	2318	7208	2514	6645	4758	4758	2277	1914	4612	6645	4813							

$$8810 - 3924 = \boxed{} \rightarrow \boxed{\text{Y}}$$

$$6340 - 1527 = \boxed{} \rightarrow \boxed{\text{D}}$$

$$3493 - 1175 = \boxed{} \rightarrow \boxed{\text{M}}$$

$$6467 - 4190 = \boxed{} \rightarrow \boxed{\text{H}}$$

$$8751 - 3993 = \boxed{} \rightarrow \boxed{\text{S}}$$

$$2023 - 109 = \boxed{} \rightarrow \boxed{\text{I}}$$

$$8098 - 1453 = \boxed{} \rightarrow \boxed{\text{E}}$$

$$11639 - 2689 = \boxed{} \rightarrow \boxed{\text{W}}$$

$$8700 - 4238 = \boxed{} \rightarrow \boxed{\text{R}}$$

$$4712 - 2198 = \boxed{} \rightarrow \boxed{\text{L}}$$

$$11137 - 3467 = \boxed{} \rightarrow \boxed{\text{A}}$$

$$4390 - 2080 = \boxed{} \rightarrow \boxed{\text{G}}$$

$$6897 - 5 = \boxed{} \rightarrow \boxed{\text{O}}$$

$$11695 - 4487 = \boxed{} \rightarrow \boxed{\text{P}}$$

$$5178 - 566 = \boxed{} \rightarrow \boxed{\text{N}}$$

$$7966 - 4887 = \boxed{} \rightarrow \boxed{\text{T}}$$

Scratch space:

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

To power down the forcefield, we must split the remaining energy cells equally among the backup generators.
This division will open the final gate.

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:

$90 \div 9 = \boxed{}$

$40 \div 8 = \boxed{}$

$9 \div 1 = \boxed{}$

$2 \div 1 = \boxed{}$

$36 \div 6 = \boxed{}$

$49 \div 7 = \boxed{}$

$66 \div 6 = \boxed{}$

$3 \div 1 = \boxed{}$

$32 \div 8 = \boxed{}$

$120 \div 10 = \boxed{}$

$96 \div 12 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain zapped the power grid, then hopped onto an ender dragon.
2. The villain melted the obsidian gate, then fled through a nether portal.
3. The villain melted the obsidian gate, then zipped away on a conveyor belt.
4. The villain slammed the pistons shut, then zipped away on a conveyor belt.
5. The villain drilled through the vault door, then escaped in a minecart.
6. The villain zapped the power grid, then zipped away on a conveyor belt.
7. The villain slammed the pistons shut, then hopped onto an ender dragon.
8. The villain slammed the pistons shut, then escaped in a minecart.
9. The villain flew over the security walls, then zipped away on a conveyor belt.
10. The villain drilled through the vault door, then zipped away on a conveyor belt.
11. The villain zapped the power grid, then escaped in a minecart.
12. The villain flew over the security walls, then escaped in a minecart.

Answer Key

The Redstone Rampage

Culprit: Pixel Penny

Redstone Blasting · Sonic Sensor · Right Handed Combat · Glowstone Fibers · Water Splashes

Trail: Start 21 → Clue 1 18 → Clue 2 13 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE SUSPECT DOES NOT TELEPORT"

Round 1,606 to the nearest thousand = 2000 (T) · Round 1,115 to the nearest hundred = 1100 (S) · Round 234 to the nearest ten = 230 (U) · Round 107 to the nearest ten = 110 (L) · Round 32 to the nearest ten = 30 (H) · Round 53 to the nearest ten = 50 (D) · Round 200 to the nearest hundred = 200 (N) · Round 2,252 to the nearest hundred = 2300 (R) · Round 880 to the nearest hundred = 900 (O) · Round 426 to the nearest ten = 430 (P) · Round 92 to the nearest ten = 90 (E) · Round 7,016 to the nearest thousand = 7000 (C)

Clue 2 (Word problems): "RIGHT HANDED COMBAT"

The Iron Golem lined up 4 rows of 3 diamond pickaxes. How many diamond pickaxes in all? = 12 (R) · The Iron Golem lined up 5 rows of 9 copper gears. How many copper gears in all? = 45 (I) · The Iron Golem found 19 diamond pickaxes yesterday and 22 more today. How many diamond pickaxes in all? = 41 (N) · The Iron Golem lined up 5 rows of 5 redstone dust blocks. How many redstone dust blocks in all? = 25 (G) · There were 59 iron ingots. 40 were used up. How many iron ingots are left? = 19 (H) · There were 31 iron ingots. 8 were used up. How many iron ingots are left? = 23 (T) · The Iron Golem found 45 slimeballs yesterday and 2 more today. How many slimeballs in all? = 47 (A)

Clue 3 (Addition): "THE BOT SHORTS OUT IN WATER"

$5649 + 4162 = 9811$ (T) · $1393 + 939 = 2332$ (W) · $5135 + 4556 = 9691$ (H) · $1016 + 1756 = 2772$ (R) · $1871 + 1521 = 3392$ (A) · $1898 + 2985 = 4883$ (S) · $6356 + 3209 = 9565$ (O) · $1903 + 1109 = 3012$ (B) · $3266 + 1756 = 5022$ (I) · $3500 + 4407 = 7907$ (N) · $3232 + 1817 = 5049$ (E) · $1875 + 1459 = 3334$ (U)

Clue 4 (Subtraction): "YELLOW GLOWSTONE WIRE SAMPLES SHINED"

$8810 - 3924 = 4886$ (Y) · $6340 - 1527 = 4813$ (D) · $3493 - 1175 = 2318$ (M) · $6467 - 4190 = 2277$ (H) · $8751 - 3993 = 4758$ (S) · $2023 - 109 = 1914$ (I) · $8098 - 1453 = 6645$ (E) · $11639 - 2689 = 8950$ (W) · $8700 - 4238 = 4462$ (R) · $4712 - 2198 = 2514$ (L) · $11137 - 3467 = 7670$ (A) · $4390 - 2080 = 2310$ (G) · $6897 - 5 = 6892$ (O) · $11695 - 4487 = 7208$ (P) · $5178 - 566 = 4612$ (N) · $7966 - 4887 = 3079$ (T)

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

$90 \div 9 = 10$ · $40 \div 8 = 5$ · $9 \div 1 = 9$ · $2 \div 1 = 2$ · $36 \div 6 = 6$ · $49 \div 7 = 7$ · $66 \div 6 = 11$ · $3 \div 1 = 3$ · $32 \div 8 = 4$ · $120 \div 10 = 12$ · $96 \div 12 = 8$