



The Great Robo-Rampage

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

Detective: _____ **Date:** _____

Oh no! A rogue robot has broken out of the Spark City Lab and locked the Chief Inventor in the high-voltage supply closet! The robot is causing wild glitches all over the city. We need to track it down using our math sensors before it short-circuits the entire grid!

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 Robot is _____

Possible suspects

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

NAME	PRIMARY LASER	BACKUP TOOL	LED COLOR	ANTENNA STYLE	SYSTEM VULNERABILITY
Sparky	Heat Wave	Drill Arm	Glowing Blue LED	Radar Dish Antenna	Salty Water
Byte	Plasma Beam	Buzz Saw	Glowing Red LED	Radar Dish Antenna	Salty Water
Zinc	Plasma Beam	Buzz Saw	Glowing Blue LED	Radar Dish Antenna	Strong Magnets
Pixel	Freeze Ray	Drill Arm	Glowing Red LED	Radar Dish Antenna	Salty Water
Clank	Magnetic Pull	Grapple Hook	Glowing Red LED	Coiled Wire Antenna	Strong Magnets
Bop	Plasma Beam	Grapple Hook	Glowing Blue LED	Coiled Wire Antenna	Salty Water
Proton	Plasma Beam	Rocket Boots	Glowing Red LED	Coiled Wire Antenna	Strong Magnets
Beep	Magnetic Pull	Buzz Saw	Glowing Blue LED	Coiled Wire Antenna	Static Shock
Vector	Plasma Beam	Grapple Hook	Glowing Blue LED	Coiled Wire Antenna	Strong Magnets
Bolts	Heat Wave	Grapple Hook	Glowing Red LED	Coiled Wire Antenna	Strong Magnets
Chip	Sonic Blast	Scanner Eye	Glowing Red LED	Radar Dish Antenna	Strong Magnets
Radar	Freeze Ray	Rocket Boots	Glowing Blue LED	Radar Dish Antenna	Static Shock
Widget	Freeze Ray	Scanner Eye	Glowing Blue LED	Radar Dish Antenna	Salty Water
Rivet	Heat Wave	Scanner Eye	Glowing Blue LED	Radar Dish Antenna	Static Shock
Copper	Sonic Blast	Drill Arm	Glowing Red LED	Radar Dish Antenna	Strong Magnets
Dynamo	Magnetic Pull	Scanner Eye	Glowing Red LED	Coiled Wire Antenna	Strong Magnets
Sprocket	Sonic Blast	Scanner Eye	Glowing Blue LED	Coiled Wire Antenna	Static Shock
Gizmo	Freeze Ray	Rocket Boots	Glowing Red LED	Coiled Wire Antenna	Strong Magnets
Sonic	Plasma Beam	Grapple Hook	Glowing Red LED	Coiled Wire Antenna	Static Shock
Geary	Plasma Beam	Grapple Hook	Glowing Red LED	Spike Antenna	Static Shock
Turbo	Magnetic Pull	Drill Arm	Glowing Red LED	Radar Dish Antenna	Strong Magnets

CLUE 1 Rounding

The laboratory radar screen displays the rogue robot speed but the old monitor only shows numbers rounded to the nearest ten.

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

T																T
5000	7000	3000	50	6000	900	900	2000	6000	4000	800	80	3000	70	4000	80	5000
7000	2000	50	3000	2000	70	40	2000	4000	4000	3000	300	3000	400	3000		

Round 4,956 to the nearest thousand → **T**

Round 7,430 to the nearest thousand → **H**

Round 74 to the nearest ten → **S**

Round 811 to the nearest hundred → **D**

Round 2,715 to the nearest thousand → **E**

Round 338 to the nearest hundred → **R**

Round 39 to the nearest ten → **C**

Round 5,733 to the nearest thousand → **I**

Round 2,367 to the nearest thousand → **A**

Round 426 to the nearest hundred → **Y**

Round 46 to the nearest ten → **V**

Round 78 to the nearest ten → **O**

Round 4,064 to the nearest thousand → **N**

Round 893 to the nearest hundred → **L**

Scratch space:

CLUE 2 Addition

To track the robot battery trail the junior mechanics are adding up all the spare power cells found in the hallway.

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

T					T									
733	720	274	426	499	733	989	274	567	567	567	558	426	558	

					T										
327	772	499	522	720	733	522	735	767	426	499	989	522	772	274	633

				T
735	499	522	720	733

$461 + 272 = \boxed{} \rightarrow \boxed{\text{T}}$

$394 + 239 = \boxed{} \rightarrow \boxed{\text{D}}$

$155 + 344 = \boxed{} \rightarrow \boxed{\text{I}}$

$247 + 179 = \boxed{} \rightarrow \boxed{\text{W}}$

$187 + 87 = \boxed{} \rightarrow \boxed{\text{E}}$

$113 + 214 = \boxed{} \rightarrow \boxed{\text{B}}$

$447 + 325 = \boxed{} \rightarrow \boxed{\text{R}}$

$335 + 187 = \boxed{} \rightarrow \boxed{\text{G}}$

$301 + 257 = \boxed{} \rightarrow \boxed{\text{A}}$

$314 + 253 = \boxed{} \rightarrow \boxed{\text{S}}$

$287 + 448 = \boxed{} \rightarrow \boxed{\text{L}}$

$501 + 219 = \boxed{} \rightarrow \boxed{\text{H}}$

$588 + 401 = \boxed{} \rightarrow \boxed{\text{N}}$

$365 + 402 = \boxed{} \rightarrow \boxed{\text{O}}$

Scratch space:

CLUE 3

The escape pod lost fuel as it sped away. We need to subtract the spilled oil canisters from the starting supply to find the route.

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

209 157 282 583 530 421 755 457 421 583 282 457 583 209 394 114 417 625

547 755 625 417 282 209 583 209 114 583 209 114 564 224 209

$$606 - 397 = \boxed{} \rightarrow \boxed{\text{T}}$$

$$546 - 89 = \boxed{} \rightarrow \boxed{\text{D}}$$

$918 - 354 = \boxed{} \rightarrow \boxed{\text{P}}$

$$367 - 253 = \boxed{} \rightarrow \boxed{0}$$

$$546 - 152 = \boxed{} \rightarrow \boxed{\text{R}}$$

$801 - 380 = \boxed{} \rightarrow \boxed{\text{U}}$

$$736 - 111 = \boxed{} \rightarrow \boxed{\text{G}}$$

$$235 - 78 = \boxed{} \rightarrow \boxed{\text{H}}$$

$$722 - 139 = \boxed{} \rightarrow \boxed{\text{S}}$$

$$754 - 224 = \boxed{} \rightarrow \boxed{\text{Q}}$$

$$355 - 131 = \boxed{} \rightarrow \boxed{}$$

$$392 - 110 = \boxed{} \rightarrow \boxed{\text{E}}$$

$$659 - 242 = \boxed{} \rightarrow \boxed{\text{N}}$$

981 - 226 = → **A**

801 - 254 = → **M**

Scratch space:

CLUE 4
Multiplication facts (1-12)

The repair shop floor has neat rows of microchips. We must multiply the rows by the columns to count the total parts left behind.

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

W																	
2	54	10	44	18	120	30	15	49	54	120	7	45	44	64	5	54	30

W											
2	64	60	54	15	120	7	54	120	120	15	

$2 \times 1 = \square \rightarrow$ W	$7 \times 1 = \square \rightarrow$ T	$7 \times 7 = \square \rightarrow$ B	$12 \times 5 = \square \rightarrow$ R
$6 \times 5 = \square \rightarrow$ D	$12 \times 10 = \square \rightarrow$ N	$5 \times 3 = \square \rightarrow$ A	
$5 \times 2 = \square \rightarrow$ F	$8 \times 8 = \square \rightarrow$ I	$5 \times 1 = \square \rightarrow$ L	$9 \times 6 = \square \rightarrow$ E
$4 \times 11 = \square \rightarrow$ O	$9 \times 5 = \square \rightarrow$ C	$3 \times 6 = \square \rightarrow$ U	

Scratch space:

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

To set up the final signal jammer the team must split the colorful copper wires equally among the green circuit boards.

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:

$22 \div 2 = \boxed{}$

$6 \div 2 = \boxed{}$

$5 \div 1 = \boxed{}$

$56 \div 8 = \boxed{}$

$6 \div 6 = \boxed{}$

$44 \div 11 = \boxed{}$

$16 \div 8 = \boxed{}$

$81 \div 9 = \boxed{}$

$42 \div 7 = \boxed{}$

$96 \div 8 = \boxed{}$

$100 \div 10 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain released a loud sonic blast, then searched the area with a scanner eye.
2. The villain released a loud sonic blast, then escaped using a grapple hook.
3. The villain blasted a freezing subzero ray, then zoomed away on rocket boots.
4. The villain activated a strong magnetic pull, then sliced through the fence with a buzz saw.
5. The villain fired a glowing plasma beam, then zoomed away on rocket boots.
6. The villain fired a glowing plasma beam, then escaped using a grapple hook.
7. The villain blasted a freezing subzero ray, then sliced through the fence with a buzz saw.
8. The villain activated a strong magnetic pull, then escaped using a grapple hook.
9. The villain released a loud sonic blast, then tunneled underground with a drill arm.
10. The villain activated a strong magnetic pull, then searched the area with a scanner eye.
11. The villain shot a scorching heat wave, then escaped using a grapple hook.
12. The villain fired a glowing plasma beam, then tunneled underground with a drill arm.

Answer Key

The Great Robo-Rampage

Culprit: Clank

Magnetic Pull · Grapple Hook · Glowing Red LED · Coiled Wire Antenna · Strong Magnets

Trail: Start 21 → Clue 1 16 → Clue 2 10 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE VILLAIN DOES NOT HAVE A SCANNER EYE"

Round 4,956 to the nearest thousand = 5000 (T) · Round 7,430 to the nearest thousand = 7000 (H) · Round 74 to the nearest ten = 70 (S) · Round 811 to the nearest hundred = 800 (D) · Round 2,715 to the nearest thousand = 3000 (E) · Round 338 to the nearest hundred = 300 (R) · Round 39 to the nearest ten = 40 (C) · Round 5,733 to the nearest thousand = 6000 (I) · Round 2,367 to the nearest thousand = 2000 (A) · Round 426 to the nearest hundred = 400 (Y) · Round 46 to the nearest ten = 50 (V) · Round 78 to the nearest ten = 80 (O) · Round 4,064 to the nearest thousand = 4000 (N) · Round 893 to the nearest hundred = 900 (L)

Clue 2 (Addition): "THE WITNESS SAW A BRIGHT GLOWING RED LIGHT"

$461 + 272 = 733$ (T) · $394 + 239 = 633$ (D) · $155 + 344 = 499$ (I) · $247 + 179 = 426$ (W) · $187 + 87 = 274$ (E) · $113 + 214 = 327$ (B) · $447 + 325 = 772$ (R) · $335 + 187 = 522$ (G) · $301 + 257 = 558$ (A) · $314 + 253 = 567$ (S) · $287 + 448 = 735$ (L) · $501 + 219 = 720$ (H) · $588 + 401 = 989$ (N) · $365 + 402 = 767$ (O)

Clue 3 (Subtraction): "THE SQUAD USED STRONG MAGNETS TO STOP IT"

$606 - 397 = 209$ (T) · $546 - 89 = 457$ (D) · $918 - 354 = 564$ (P) · $367 - 253 = 114$ (O) · $546 - 152 = 394$ (R) · $801 - 380 = 421$ (U) · $736 - 111 = 625$ (G) · $235 - 78 = 157$ (H) · $722 - 139 = 583$ (S) · $754 - 224 = 530$ (Q) · $355 - 131 = 224$ (I) · $392 - 110 = 282$ (E) · $659 - 242 = 417$ (N) · $981 - 226 = 755$ (A) · $801 - 254 = 547$ (M)

Clue 4 (Multiplication facts (1-12)): "WE FOUND A BENT COILED WIRE ANTENNA"

$2 \times 1 = 2$ (W) · $7 \times 1 = 7$ (T) · $7 \times 7 = 49$ (B) · $12 \times 5 = 60$ (R) · $6 \times 5 = 30$ (D) · $12 \times 10 = 120$ (N) · $5 \times 3 = 15$ (A) · $5 \times 2 = 10$ (F) · $8 \times 8 = 64$ (I) · $5 \times 1 = 5$ (L) · $9 \times 6 = 54$ (E) · $4 \times 11 = 44$ (O) · $9 \times 5 = 45$ (C) · $3 \times 6 = 18$ (U)

Clue 5 (Division facts (1-12)): surviving statement is box 8 → Clank

$22 \div 2 = 11$ · $6 \div 2 = 3$ · $5 \div 1 = 5$ · $56 \div 8 = 7$ · $6 \div 6 = 1$ · $44 \div 11 = 4$ · $16 \div 8 = 2$ · $81 \div 9 = 9$ · $42 \div 7 = 6$ · $96 \div 8 = 12$ · $100 \div 10 = 10$