



The Golden Blaster Heist

Grade 5 math · Addition, Subtraction, Multiplication, Fractions of a number · Reading level grades 5-6

Detective: _____ Date: _____

A sneaky challenger known as the Rogue Raider has locked the Arena Referee in the gear closet and run off with the rare Golden Mega-Blaster just hours before the championship tournament. We must search the arena for clues, clear the innocent players, and find 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 Rogue Raider is _____

Possible suspects

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

NAME	BLASTER TYPE	TACTICAL GEAR	SHOOTING STANCE	HEADWEAR STYLE	TACTICAL FLAW
Dash	shield blaster	laser sight	left handed shooter	spike mohawk	jammed dart
Zoe	motorized drum	camo bandana	right handed shooter	spike mohawk	jammed dart
Gemma	shield blaster	gopro mount	right handed shooter	spike mohawk	jammed dart
Skyler	motorized drum	tactical vest	right handed shooter	spike mohawk	empty magazine
Axel	dual pistols	laser sight	right handed shooter	neon orange helmet	empty magazine
Maverick	dual pistols	dart pouch	right handed shooter	spike mohawk	jammed dart
Milo	shield blaster	laser sight	left handed shooter	blue sweatband	jammed dart
Nova	pump action	tactical vest	right handed shooter	spike mohawk	squeaky sneakers
Jax	dual pistols	dart pouch	left handed shooter	blue sweatband	squeaky sneakers
Brodie	sniper rifle	camo bandana	left handed shooter	blue sweatband	jammed dart
Roxy	dual pistols	gopro mount	right handed shooter	blue sweatband	squeaky sneakers
Owen	motorized drum	gopro mount	right handed shooter	spike mohawk	jammed dart
Colt	sniper rifle	camo bandana	right handed shooter	spike mohawk	jammed dart
Ryder	sniper rifle	gopro mount	left handed shooter	neon orange helmet	jammed dart
Kai	pump action	camo bandana	right handed shooter	spike mohawk	squeaky sneakers
Ezra	dual pistols	dart pouch	left handed shooter	blue sweatband	empty magazine
Piper	pump action	dart pouch	right handed shooter	blue sweatband	jammed dart
Zane	motorized drum	camo bandana	left handed shooter	spike mohawk	jammed dart
Leo	sniper rifle	gopro mount	right handed shooter	blue sweatband	empty magazine
Silas	shield blaster	tactical vest	right handed shooter	spike mohawk	jammed dart
Luna	shield blaster	camo bandana	left handed shooter	spike mohawk	squeaky sneakers

CLUE 1

Addition

To find where the suspect entered, we need to add up all the spent darts scattered around the red and blue bunkers.

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

T																T
7834	2460	2982	6499	3316	7934	8058	2982	6499	8058	8609	2982	4105	7822	8609	7834	
2282	2982	3316	6499	3316	2414	3316	4643	8609	8506	3316	7822	8058	3316	7822	3316	

$3413 + 4421 = \square \rightarrow \text{**T**}$

$2134 + 4365 = \square \rightarrow \text{**R**}$

$2057 + 1259 = \square \rightarrow \text{**A**}$

$1398 + 3245 = \square \rightarrow \text{**M**}$

$3694 + 4128 = \square \rightarrow \text{**N**}$

$5394 + 3112 = \square \rightarrow \text{**B**}$

$3118 + 5491 = \square \rightarrow \text{**O**}$

$1304 + 978 = \square \rightarrow \text{**W**}$

$3371 + 4687 = \square \rightarrow \text{**D**}$

$1297 + 1163 = \square \rightarrow \text{**H**}$

$1062 + 1352 = \square \rightarrow \text{**C**}$

$917 + 2065 = \square \rightarrow \text{**E**}$

$4591 + 3343 = \square \rightarrow \text{**I**}$

$2382 + 1723 = \square \rightarrow \text{**S**}$

Scratch space:

CLUE 2
Subtraction

The suspect emptied some ammo boxes. Subtracting the left-behind darts from the box total gives us the access code to the gear lockbox.

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

T														
4917	2312	3649	4322	1580	4322	5096	3649	5786	4917	6449	5744	4680	5096	4322

6775	8192	5316	4322	4917	3649	5744	4288	4680	4917	2312	5744	4680	6449	2312	4917	2312	5316	1375	4903

$6295 - 1378 = \square \rightarrow \text{T}$

$5951 - 855 = \square \rightarrow \text{P}$

$4598 - 310 = \square \rightarrow \text{W}$

$3105 - 1525 = \square \rightarrow \text{U}$

$10323 - 3874 = \square \rightarrow \text{G}$

$4367 - 718 = \square \rightarrow \text{E}$

$6112 - 4737 = \square \rightarrow \text{N}$

$5804 - 3492 = \square \rightarrow \text{H}$

$10529 - 4743 = \square \rightarrow \text{C}$

$7435 - 2532 = \square \rightarrow \text{D}$

$7963 - 1188 = \square \rightarrow \text{B}$

$8583 - 3903 = \square \rightarrow \text{I}$

$6916 - 1600 = \square \rightarrow \text{A}$

$7782 - 3460 = \square \rightarrow \text{S}$

$12153 - 3961 = \square \rightarrow \text{L}$

$8996 - 3252 = \square \rightarrow \text{R}$

Scratch space:

CLUE 3
Multiplication facts (1-12)

The targets are set up in equal rows on the back wall. Multiplying the rows by the targets per row unlocks the security camera feeds.

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

V															
56	60	110	110	10	60	18	48	110	3	4	72	14	3	18	10
48	132	10	77	4	10	24	90	100	10	77	77	3	4		

$8 \times 7 = \square \rightarrow \boxed{\text{V}}$

$12 \times 11 = \square \rightarrow \boxed{\text{O}}$

$7 \times 11 = \square \rightarrow \boxed{\text{M}}$

$11 \times 10 = \square \rightarrow \boxed{\text{L}}$

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

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

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

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

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

$12 \times 2 = \square \rightarrow \boxed{\text{R}}$

$10 \times 1 = \square \rightarrow \boxed{\text{A}}$

$3 \times 1 = \square \rightarrow \boxed{\text{E}}$

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

$8 \times 6 = \square \rightarrow \boxed{\text{F}}$

$9 \times 8 = \square \rightarrow \boxed{\text{W}}$

Scratch space:

CLUE 4

Fractions of a number

Only a fraction of the tactical vests are missing from the drying rack. Finding that fraction shows us how many suspects were involved.

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

A									A				A					
40	15	17	14	36	8	25	21	6	40	9	36	9	40	15	15	8	8	18
										A								
26	8	6	14	18	2	7	6	8	9	40	34	34						

$4/6 \text{ of } 60 = \square \rightarrow \boxed{\text{A}}$

$1/2 \text{ of } 42 = \square \rightarrow \boxed{\text{O}}$

$3/5 \text{ of } 25 = \square \rightarrow \boxed{\text{S}}$

$3/4 \text{ of } 12 = \square \rightarrow \boxed{\text{W}}$

$2/6 \text{ of } 78 = \square \rightarrow \boxed{\text{B}}$

$1/10 \text{ of } 70 = \square \rightarrow \boxed{\text{T}}$

$2/10 \text{ of } 40 = \square \rightarrow \boxed{\text{E}}$

$1/5 \text{ of } 125 = \square \rightarrow \boxed{\text{M}}$

$2/10 \text{ of } 85 = \square \rightarrow \boxed{\text{P}}$

$5/10 \text{ of } 72 = \square \rightarrow \boxed{\text{K}}$

$3/6 \text{ of } 28 = \square \rightarrow \boxed{\text{I}}$

$3/10 \text{ of } 60 = \square \rightarrow \boxed{\text{N}}$

$4/8 \text{ of } 68 = \square \rightarrow \boxed{\text{L}}$

$2/4 \text{ of } 4 = \square \rightarrow \boxed{\text{D}}$

$3/6 \text{ of } 12 = \square \rightarrow \boxed{\text{H}}$

Scratch space:

CLUE 5**Fractions of a number - the last clue**

The referee remembers that a fraction of the barricades were knocked down during the escape. Calculating this amount reveals the suspect's path.

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:

$3/6 \text{ of } 10 = \boxed{}$

$2/4 \text{ of } 20 = \boxed{}$

$3/8 \text{ of } 8 = \boxed{}$

$3/6 \text{ of } 18 = \boxed{}$

$2/3 \text{ of } 18 = \boxed{}$

$2/8 \text{ of } 16 = \boxed{}$

$4/8 \text{ of } 4 = \boxed{}$

$3/8 \text{ of } 16 = \boxed{}$

$1/6 \text{ of } 6 = \boxed{}$

$1/10 \text{ of } 70 = \boxed{}$

$1/10 \text{ of } 80 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain crawled through the foam dart pit, then stole the grand prize voucher from the cash register.
2. The villain leaped from the sniper tower, then swiped the golden blaster from the wall.
3. The villain crawled through the foam dart pit, then pocketed all the extra mega darts.
4. The villain leaped from the sniper tower, then stole the grand prize voucher from the cash register.
5. The villain vaulted over the cardboard fortress, then grabbed the championship trophy by mistake.
6. The villain slid under the laser beam sensor, then stole the grand prize voucher from the cash register.
7. The villain slid under the laser beam sensor, then pocketed all the extra mega darts.
8. The villain crawled through the foam dart pit, then swiped the golden blaster from the wall.
9. The villain slid under the laser beam sensor, then snatched the referee whistle off the bench.
10. The villain vaulted over the cardboard fortress, then swiped the golden blaster from the wall.
11. The villain slid under the laser beam sensor, then grabbed the championship trophy by mistake.
12. The villain sneaked past the inflatable barricades, then grabbed the championship trophy by mistake.

Answer Key

The Golden Blaster Heist

Culprit: Owen

motorized drum · gopro mount · right handed shooter · spike mohawk · jammed dart

Trail: Start 21 → Clue 1 15 → Clue 2 10 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE RAIDER DOES NOT WEAR A CAMO BANDANA"

$3413 + 4421 = 7834$ (T) · $2134 + 4365 = 6499$ (R) · $2057 + 1259 = 3316$ (A) · $1398 + 3245 = 4643$ (M) · $3694 + 4128 = 7822$ (N) · $5394 + 3112 = 8506$ (B) · $3118 + 5491 = 8609$ (O) · $1304 + 978 = 2282$ (W) · $3371 + 4687 = 8058$ (D) · $1297 + 1163 = 2460$ (H) · $1062 + 1352 = 2414$ (C) · $917 + 2065 = 2982$ (E) · $4591 + 3343 = 7934$ (I) · $2382 + 1723 = 4105$ (S)

Clue 2 (Subtraction): "THE SUSPECT GRIPS BLASTER WITH RIGHT HAND"

$6295 - 1378 = 4917$ (T) · $5951 - 855 = 5096$ (P) · $4598 - 310 = 4288$ (W) · $3105 - 1525 = 1580$ (U) · $10323 - 3874 = 6449$ (G) · $4367 - 718 = 3649$ (E) · $6112 - 4737 = 1375$ (N) · $5804 - 3492 = 2312$ (H) · $10529 - 4743 = 5786$ (C) · $7435 - 2532 = 4903$ (D) · $7963 - 1188 = 6775$ (B) · $8583 - 3903 = 4680$ (I) · $6916 - 1600 = 5316$ (A) · $7782 - 3460 = 4322$ (S) · $12153 - 3961 = 8192$ (L) · $8996 - 3252 = 5744$ (R)

Clue 3 (Multiplication facts (1-12)): "VILLAIN FLED WHEN A FOAM DART JAMMED"

$8 \times 7 = 56$ (V) · $12 \times 11 = 132$ (O) · $7 \times 11 = 77$ (M) · $11 \times 10 = 110$ (L) · $10 \times 10 = 100$ (J) · $9 \times 2 = 18$ (N) · $10 \times 9 = 90$ (T) · $2 \times 2 = 4$ (D) · $7 \times 2 = 14$ (H) · $12 \times 2 = 24$ (R) · $10 \times 1 = 10$ (A) · $3 \times 1 = 3$ (E) · $12 \times 5 = 60$ (I) · $8 \times 6 = 48$ (F) · $9 \times 8 = 72$ (W)

Clue 4 (Fractions of a number): "A SPIKE MOHAWK WAS SEEN BEHIND THE WALL"

$\frac{4}{6}$ of 60 = 40 (A) · $\frac{1}{2}$ of 42 = 21 (O) · $\frac{3}{5}$ of 25 = 15 (S) · $\frac{3}{4}$ of 12 = 9 (W) · $\frac{2}{6}$ of 78 = 26 (B) · $\frac{1}{10}$ of 70 = 7 (T) · $\frac{2}{10}$ of 40 = 8 (E) · $\frac{1}{5}$ of 125 = 25 (M) · $\frac{2}{10}$ of 85 = 17 (P) · $\frac{5}{10}$ of 72 = 36 (K) · $\frac{3}{6}$ of 28 = 14 (I) · $\frac{3}{10}$ of 60 = 18 (N) · $\frac{4}{8}$ of 68 = 34 (L) · $\frac{2}{4}$ of 4 = 2 (D) · $\frac{3}{6}$ of 12 = 6 (H)

Clue 5 (Fractions of a number): surviving statement is box 11 → Owen

$\frac{3}{6}$ of 10 = 5 · $\frac{2}{4}$ of 20 = 10 · $\frac{3}{8}$ of 8 = 3 · $\frac{3}{6}$ of 18 = 9 · $\frac{2}{3}$ of 18 = 12 · $\frac{2}{8}$ of 16 = 4 · $\frac{4}{8}$ of 4 = 2 · $\frac{3}{8}$ of 16 = 6 · $\frac{1}{6}$ of 6 = 1 · $\frac{1}{10}$ of 70 = 7 · $\frac{1}{10}$ of 80 = 8