



The Helicarrier Heist

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

Detective: _____ Date: _____

An intruder has breached the S.H.I.E.L.D. Helicarrier and stolen a glowing vibranium reactor. Nick Fury needs you to scan the clues, solve the puzzles, and identify the thief!

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 agent is _____

Possible suspects

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

NAME	PRIMARY GADGET	SECURITY CLEARANCE	ACTION STANCE	DISGUISE HAIR COLOR	GEAR VULNERABILITY
Drax	laser goggles	omega clearance	right handed combat	jet black wig	loud whistle
Carol Danvers	gravity boots	beta clearance	right handed combat	neon blue wig	loud whistle
T Challa	hologram belt	alpha clearance	right handed combat	jet black wig	water splash
Danny Rand	sonic blaster	alpha clearance	right handed combat	bright red wig	magnet pull
Matt Murdock	gravity boots	gamma clearance	right handed combat	jet black wig	magnet pull
Wanda Maximoff	hologram belt	delta clearance	right handed combat	bright red wig	water splash
Sam Wilson	laser goggles	alpha clearance	left handed combat	neon blue wig	magnet pull
Stephen Strange	magnetic gloves	beta clearance	left handed combat	neon blue wig	water splash
Bucky Barnes	magnetic gloves	omega clearance	left handed combat	jet black wig	water splash
Hope van Dyne	laser goggles	beta clearance	left handed combat	bright red wig	magnet pull
Steve Rogers	hologram belt	beta clearance	left handed combat	bright red wig	magnet pull
Bruce Banner	laser goggles	gamma clearance	right handed combat	neon blue wig	loud whistle
Thor Odinson	laser goggles	delta clearance	left handed combat	bright red wig	loud whistle
Gamora	laser goggles	delta clearance	right handed combat	jet black wig	loud whistle
Jessica Jones	magnetic gloves	beta clearance	left handed combat	bright red wig	magnet pull
Natasha Romanoff	sonic blaster	delta clearance	left handed combat	jet black wig	magnet pull
Scott Lang	hologram belt	gamma clearance	left handed combat	bright red wig	magnet pull
Kamala Khan	gravity boots	alpha clearance	right handed combat	bright red wig	magnet pull
Peter Parker	hologram belt	alpha clearance	left handed combat	bright red wig	magnet pull
Clint Barton	gravity boots	delta clearance	right handed combat	jet black wig	water splash
Tony Stark	hologram belt	alpha clearance	left handed combat	neon blue wig	loud whistle

Rounding

S.H.I.E.L.D. radar detected energy waves, but the screens only show numbers rounded to the nearest ten.

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

Diagram illustrating the distribution of 10000 items across 100 boxes. The boxes are arranged in two rows of 50. The top row contains 10 boxes with 'T' (top 10%) and 40 empty boxes. The bottom row contains 50 empty boxes. The values for the boxes are: Row 1: 9000, 80, 3000, 4000, 5000, 3000, 7000, 9000, 6000, 20, 3000, 60, 7000, 20, 9000, 80, 4000, 300, 3000. Row 2: 5000, 4000, 70, 70, 4000, 400, 2000, 3000, 4000, 500, 4000, 7000, 400, 3000.

Round 8,887 to the nearest thousand $\rightarrow$ **T**

Round 5,875 to the nearest thousand → **D**

Round 73 to the nearest ten $\rightarrow$ **M**

Round 254 to the nearest hundred $\rightarrow$ **V**

Round 476 to the nearest hundred $\rightarrow$ **R**

Round 386 to the nearest hundred $\rightarrow$ **C**

Round 56 to the nearest ten $\rightarrow$ **S**

Round 2,436 to the nearest thousand → **L**

Round 5,022 to the nearest thousand → **G**

Round 7,039 to the nearest thousand $\rightarrow$ **N**

Round 82 to the nearest ten $\rightarrow$ **H**

Round 23 to the nearest ten $\rightarrow$

Round 2,828 to the nearest thousand → **E**

Round 3,545 to the nearest thousand $\rightarrow$ **A**

Scratch space:

CLUE 2 Addition

We must count all the spare vibranium batteries left in the storage crates to find the missing batch.

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

T								T						T					
911	203	575	591	405	575	499	911	472	437	575	479	911	203	575	522	501			
			T					T								T			
582	575	813	911	203	591	499	479	911	391	813	522	405	203	911					

$454 + 457 = \square \rightarrow$ T	$215 + 360 = \square \rightarrow$ E	$186 + 219 = \square \rightarrow$ G
$266 + 125 = \square \rightarrow$ O	$168 + 333 = \square \rightarrow$ R	$567 + 246 = \square \rightarrow$ F
$217 + 365 = \square \rightarrow$ L	$121 + 82 = \square \rightarrow$ H	$297 + 140 = \square \rightarrow$ S
$347 + 152 = \square \rightarrow$ N	$198 + 393 = \square \rightarrow$ A	$364 + 158 = \square \rightarrow$ I
$313 + 166 = \square \rightarrow$ D	$153 + 319 = \square \rightarrow$ U	

Scratch space:

CLUE 3

Subtraction

The escaping villain dropped some tracking beacon devices, leaving us with fewer signals to follow.

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

A								A									
788	742	400	186	735	642	819	398	788	819	642	895	400	836	637	107	107	
		A										A					
400	186	788	269	400	760	637	742	631	637	107	107	788	637	642			

$1160 - 372 = \square \rightarrow \boxed{\text{A}}$

$776 - 16 = \square \rightarrow \boxed{\text{H}}$

$872 - 230 = \square \rightarrow \boxed{\text{N}}$

$693 - 293 = \square \rightarrow \boxed{\text{T}}$

$298 - 29 = \square \rightarrow \boxed{\text{P}}$

$894 - 58 = \square \rightarrow \boxed{\text{W}}$

$896 - 1 = \square \rightarrow \boxed{\text{E}}$

$1062 - 243 = \square \rightarrow \boxed{\text{G}}$

$965 - 334 = \square \rightarrow \boxed{\text{V}}$

$444 - 258 = \square \rightarrow \boxed{\text{R}}$

$661 - 24 = \square \rightarrow \boxed{\text{I}}$

$1047 - 305 = \square \rightarrow \boxed{\text{S}}$

$820 - 85 = \square \rightarrow \boxed{\text{O}}$

$365 - 258 = \square \rightarrow \boxed{\text{L}}$

$705 - 307 = \square \rightarrow \boxed{\text{M}}$

Scratch space:

CLUE 4
Multiplication facts (1-12)

We spotted several identical supply boxes stacked in rows of three, and we must find the total count.

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

W																	W		
4	22	48	64	121	36	84	88	9	70	132	144	54	9	22	84	4	70	132	

1	54	9	10	36	84	1	70	36	54	144	22	40	22	36	54			

$4 \times 1 = \square \rightarrow \text{W}$

$9 \times 6 = \square \rightarrow \text{T}$

$12 \times 12 = \square \rightarrow \text{H}$

$4 \times 9 = \square \rightarrow \text{N}$

$2 \times 11 = \square \rightarrow \text{E}$

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

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

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

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

$7 \times 10 = \square \rightarrow \text{I}$

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

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

$1 \times 1 = \square \rightarrow \text{S}$

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

$5 \times 8 = \square \rightarrow \text{V}$

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

Scratch space:

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

Tony Stark wants to share the remaining tracking sensors equally among our strike teams.

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:

$8 \div 4 = \boxed{}$

$7 \div 7 = \boxed{}$

$24 \div 6 = \boxed{}$

$48 \div 4 = \boxed{}$

$60 \div 6 = \boxed{}$

$15 \div 5 = \boxed{}$

$63 \div 7 = \boxed{}$

$12 \div 2 = \boxed{}$

$22 \div 2 = \boxed{}$

$63 \div 9 = \boxed{}$

$64 \div 8 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain melted the thick steel door with laser goggles, then unlocked the beta level control panel.
2. The villain fooled the security cameras with a hologram belt, then unlocked the beta level control panel.
3. The villain floated up to the ceiling with gravity boots, then disabled the delta level alarm grid.
4. The villain climbed the metal walls with magnetic gloves, then unlocked the beta level control panel.
5. The villain fooled the security cameras with a hologram belt, then bypassed the alpha level firewall.
6. The villain fooled the security cameras with a hologram belt, then disabled the delta level alarm grid.
7. The villain shattered the vault window with a sonic blaster, then hacked the omega level mainframe.
8. The villain floated up to the ceiling with gravity boots, then hacked the omega level mainframe.
9. The villain melted the thick steel door with laser goggles, then swiped the gamma level energy core.
10. The villain shattered the vault window with a sonic blaster, then swiped the gamma level energy core.
11. The villain climbed the metal walls with magnetic gloves, then disabled the delta level alarm grid.
12. The villain melted the thick steel door with laser goggles, then hacked the omega level mainframe.

Answer Key

The Helicarrier Heist

Culprit: Peter Parker

hologram belt · alpha clearance · left handed combat · bright red wig · magnet pull

Trail: Start 21 → Clue 1 18 → Clue 2 10 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE AGENT DOES NOT HAVE GAMMA CLEARANCE"

Round 8,887 to the nearest thousand = 9000 (T) · Round 5,875 to the nearest thousand = 6000 (D) · Round 73 to the nearest ten = 70 (M) · Round 254 to the nearest hundred = 300 (V) · Round 476 to the nearest hundred = 500 (R) · Round 386 to the nearest hundred = 400 (C) · Round 56 to the nearest ten = 60 (S) · Round 2,436 to the nearest thousand = 2000 (L) · Round 5,022 to the nearest thousand = 5000 (G) · Round 7,039 to the nearest thousand = 7000 (N) · Round 82 to the nearest ten = 80 (H) · Round 23 to the nearest ten = 20 (O) · Round 2,828 to the nearest thousand = 3000 (E) · Round 3,545 to the nearest thousand = 4000 (A)

Clue 2 (Addition): "THE AGENT USED THEIR LEFT HAND TO FIGHT"

$454 + 457 = 911$ (T) · $215 + 360 = 575$ (E) · $186 + 219 = 405$ (G) · $266 + 125 = 391$ (O) · $168 + 333 = 501$ (R) · $567 + 246 = 813$ (F) · $217 + 365 = 582$ (L) · $121 + 82 = 203$ (H) · $297 + 140 = 437$ (S) · $347 + 152 = 499$ (N) · $198 + 393 = 591$ (A) · $364 + 158 = 522$ (I) · $313 + 166 = 479$ (D) · $153 + 319 = 472$ (U)

Clue 3 (Subtraction): "A STRONG MAGNET WILL TRAP THIS VILLAIN"

$1160 - 372 = 788$ (A) · $776 - 16 = 760$ (H) · $872 - 230 = 642$ (N) · $693 - 293 = 400$ (T) · $298 - 29 = 269$ (P) · $894 - 58 = 836$ (W) · $896 - 1 = 895$ (E) · $1062 - 243 = 819$ (G) · $965 - 334 = 631$ (V) · $444 - 258 = 186$ (R) · $661 - 24 = 637$ (I) · $1047 - 305 = 742$ (S) · $820 - 85 = 735$ (O) · $365 - 258 = 107$ (L) · $705 - 307 = 398$ (M)

Clue 4 (Multiplication facts (1-12)): "WE FOUND BRIGHT RED WIG STRANDS IN THE VENT"

$4 \times 1 = 4$ (W) · $9 \times 6 = 54$ (T) · $12 \times 12 = 144$ (H) · $4 \times 9 = 36$ (N) · $2 \times 11 = 22$ (E) · $8 \times 8 = 64$ (O) · $11 \times 11 = 121$ (U) · $7 \times 12 = 84$ (D) · $4 \times 12 = 48$ (F) · $7 \times 10 = 70$ (I) · $1 \times 10 = 10$ (A) · $8 \times 11 = 88$ (B) · $1 \times 1 = 1$ (S) · $12 \times 11 = 132$ (G) · $5 \times 8 = 40$ (V) · $9 \times 1 = 9$ (R)

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

$8 \div 4 = 2$ · $7 \div 7 = 1$ · $24 \div 6 = 4$ · $48 \div 4 = 12$ · $60 \div 6 = 10$ · $15 \div 5 = 3$ · $63 \div 7 = 9$ · $12 \div 2 = 6$ · $22 \div 2 = 11$ · $63 \div 9 = 7$ · $64 \div 8 = 8$