



Sabotage on the Starship Aegis

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

Detective: _____ Date: _____

An emergency alarm echoes through the metallic corridors of the Aegis! Someone has breached the command bridge and targeted Chief Joshua Dax Zeno, trapping him in a stasis field. As the lead detective of Aegis Command, you must track down the culprit among the crew before they take complete control of the ship.

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 saboteur is _____

Possible suspects

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

NAME	PRIMARY ABILITY	INFILTRATOR GEAR	BLASTER GRIP	HAIR STRAND	DEFENSIVE BARRIER
Zeno Prime	gravity-bending	decoy-drone	left-handed blaster	spiked orange hair	copper mesh
Grand Nagus Zek	forcefield-shifting	sonic-disrupter	left-handed blaster	spiked orange hair	water vapor
General Martok	forcefield-shifting	jet-pack	right-handed blaster	spiked orange hair	magnetic fields
Captain Sisko	forcefield-shifting	sonic-disrupter	left-handed blaster	spiked orange hair	copper mesh
Keiko the Botanist	gravity-bending	hover-boots	left-handed blaster	spiked orange hair	magnetic fields
Morn the Courier	plasma-fusing	hover-boots	left-handed blaster	spiked orange hair	copper mesh
Commander Dax	laser-blasting	hover-boots	left-handed blaster	silver chrome hair	copper mesh
Leeta of Bajor	plasma-fusing	hover-boots	right-handed blaster	silver chrome hair	water vapor
Enabran Tain	gravity-bending	decoy-drone	right-handed blaster	silver chrome hair	magnetic fields
Doctor Bashir	cyber-hacking	sonic-disrupter	left-handed blaster	spiked orange hair	magnetic fields
Gul Dukat	gravity-bending	sonic-disrupter	left-handed blaster	neon blue hair	magnetic fields
Legate Damar	plasma-fusing	cloaking-shield	right-handed blaster	spiked orange hair	copper mesh
Security Chief Odo	plasma-fusing	jet-pack	left-handed blaster	silver chrome hair	copper mesh
Lieutenant Worf	plasma-fusing	hover-boots	right-handed blaster	spiked orange hair	copper mesh
Counselor Ezri	gravity-bending	decoy-drone	left-handed blaster	spiked orange hair	magnetic fields
Weyoun Seven	gravity-bending	hover-boots	right-handed blaster	silver chrome hair	copper mesh
Science Officer Jadzia	plasma-fusing	jet-pack	left-handed blaster	neon blue hair	magnetic fields
Cadet Nog	forcefield-shifting	jet-pack	left-handed blaster	spiked orange hair	magnetic fields
Agent Kira	forcefield-shifting	sonic-disrupter	left-handed blaster	neon blue hair	water vapor
Ensign Garak	forcefield-shifting	sonic-disrupter	left-handed blaster	neon blue hair	copper mesh
Officer Joshua	gravity-bending	jet-pack	left-handed blaster	spiked orange hair	magnetic fields

Subtraction

We examine the shield power level logs. The total reserve has dropped after the blast, and we must subtract the lost units to find the system's baseline.

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

T																		T
2754	6885	6793	7442	2615	6793	7738	5924	6660	7038	7560	6793	7962	7560	6793	7442	2615	7560	2754
2019	7442	6793	7738	7962	6793	4009	7560	6660	7962	8202	7560	2615	6793					

$$5039 - 2285 = \boxed{} \rightarrow \mathbf{T}$$

$$9562 - 2902 = \boxed{} \rightarrow \boxed{\mathbf{Y}}$$

$$8904 - 1866 = \boxed{} \rightarrow \boxed{\mathbf{F}}$$

$8193 - 455 = \boxed{} \rightarrow \boxed{\text{A}}$

$$8966 - 1406 = \boxed{} \rightarrow \boxed{0}$$

$$12401 - 4199 = \boxed{} \rightarrow \boxed{\text{R}}$$

$3168 - 553 = \boxed{} \rightarrow \boxed{\mathbf{N}}$

$$6284 - 4265 = \boxed{} \rightarrow \boxed{\text{U}}$$

$11698 - 3736 = \boxed{} \rightarrow \boxed{\text{D}}$

$5725 - 1716 = \boxed{} \rightarrow \boxed{\text{C}}$

$10858 - 4065 = \boxed{} \rightarrow \boxed{\text{E}}$

$$11457 - 4015 = \boxed{} \rightarrow \boxed{\text{S}}$$

10798 - 4874 = → **K**

$$10667 - 3782 = \boxed{} \rightarrow \boxed{\text{H}}$$

Scratch space:

CLUE 2 Addition

We gather the dropped battery packs near the chief's quarters. Tallying these together will help us calculate the total energy used during the getaway.

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

T							T			T	T							
5302	3219	2669	3516	7789	4393	3093	5302	4795	4393	5302	5302	2669	8442	6298	3275	4393	3093	
											T							
4212	4393	6867	2669	3516	5481	4393	7789	2669	7692	5302	5481							

$$3140 + 2162 = \boxed{} \rightarrow \boxed{\text{T}}$$

$$1421 + 1248 = \boxed{} \rightarrow \boxed{\text{E}}$$

$$4500 + 3289 = \boxed{} \rightarrow \boxed{\text{L}}$$

$$2066 + 3415 = \boxed{} \rightarrow \boxed{\text{Y}}$$

$$2043 + 4255 = \boxed{} \rightarrow \boxed{\text{N}}$$

$$1399 + 2813 = \boxed{} \rightarrow \boxed{\text{M}}$$

$$2244 + 1272 = \boxed{} \rightarrow \boxed{\text{B}}$$

$$1803 + 2992 = \boxed{} \rightarrow \boxed{\text{P}}$$

$$1847 + 1372 = \boxed{} \rightarrow \boxed{\text{H}}$$

$$1426 + 1667 = \boxed{} \rightarrow \boxed{\text{S}}$$

$$4631 + 3811 = \boxed{} \rightarrow \boxed{\text{R}}$$

$$1651 + 1624 = \boxed{} \rightarrow \boxed{\text{W}}$$

$$4780 + 2912 = \boxed{} \rightarrow \boxed{\text{F}}$$

$$2081 + 4786 = \boxed{} \rightarrow \boxed{\text{D}}$$

$$1856 + 2537 = \boxed{} \rightarrow \boxed{\text{A}}$$

Scratch space:

CLUE 3
Multiplication facts (1-12)

The security cameras captured a repeating grid of escape pod docking bays. We multiply the rows of pods by the units per row to count the total pods.

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

T																			
7	50	30	110	15	77	77	16	15	4	84	50	18	4	4	30	100			
	T									T									
84	7	63	44	4	70	144	16	70	4	30	7	15	35	28	15	30	77	100	84

$7 \times 1 = \square \rightarrow \text{T}$

$4 \times 7 = \square \rightarrow \text{F}$

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

$7 \times 11 = \square \rightarrow \text{L}$

$10 \times 10 = \square \rightarrow \text{D}$

$2 \times 9 = \square \rightarrow \text{U}$

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

$7 \times 9 = \square \rightarrow \text{R}$

$7 \times 5 = \square \rightarrow \text{C}$

$2 \times 8 = \square \rightarrow \text{A}$

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

$11 \times 10 = \square \rightarrow \text{V}$

$3 \times 5 = \square \rightarrow \text{I}$

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

$10 \times 5 = \square \rightarrow \text{H}$

$11 \times 4 = \square \rightarrow \text{O}$

$5 \times 6 = \square \rightarrow \text{E}$

Scratch space:

CLUE 4
Fractions of a number

The command console was splashed with coolant. Only a specific fraction of the total canisters survived the impact, and we need to calculate that exact number.

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

A									A						A		
33	29	36	38	10	34	30	19	16	33	15	21	34	8	33	38	16	
	A												A				
28	33	29	40	34	17	32	19	15	32	8	34	36	33	15	34	40	

$2/6 \text{ of } 99 = \square \rightarrow \text{A}$

$4/10 \text{ of } 80 = \square \rightarrow \text{T}$

$4/10 \text{ of } 90 = \square \rightarrow \text{P}$

$1/2 \text{ of } 58 = \square \rightarrow \text{S}$

$1/6 \text{ of } 96 = \square \rightarrow \text{R}$

$3/6 \text{ of } 16 = \square \rightarrow \text{H}$

$6/8 \text{ of } 40 = \square \rightarrow \text{D}$

$4/8 \text{ of } 30 = \square \rightarrow \text{N}$

$5/8 \text{ of } 64 = \square \rightarrow \text{L}$

$5/10 \text{ of } 34 = \square \rightarrow \text{F}$

$4/10 \text{ of } 85 = \square \rightarrow \text{E}$

$5/10 \text{ of } 56 = \square \rightarrow \text{W}$

$3/6 \text{ of } 38 = \square \rightarrow \text{O}$

$5/10 \text{ of } 42 = \square \rightarrow \text{G}$

$4/8 \text{ of } 20 = \square \rightarrow \text{K}$

$2/3 \text{ of } 57 = \square \rightarrow \text{I}$

Scratch space:

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

We analyze the ship's backup data banks. A fraction of the total memory drives were corrupted during the hack, and finding this amount unlocks the secure file.

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:

$1/3 \text{ of } 30 = \boxed{}$

$1/3 \text{ of } 24 = \boxed{}$

$1/3 \text{ of } 33 = \boxed{}$

$4/10 \text{ of } 10 = \boxed{}$

$2/10 \text{ of } 45 = \boxed{}$

$2/10 \text{ of } 10 = \boxed{}$

$1/6 \text{ of } 30 = \boxed{}$

$3/4 \text{ of } 8 = \boxed{}$

$1/4 \text{ of } 28 = \boxed{}$

$2/6 \text{ of } 9 = \boxed{}$

$1/2 \text{ of } 2 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain breached the airlock, then activated the alarm.
2. The villain drained the battery, then activated the alarm.
3. The villain hacked the mainframe, then teleported away.
4. The villain disabled the shields, then scrambled the logs.
5. The villain hacked the mainframe, then stole the master key.
6. The villain breached the airlock, then stole the master key.
7. The villain overloaded the core, then escaped into the void.
8. The villain drained the battery, then stole the master key.
9. The villain drained the battery, then escaped into the void.
10. The villain disabled the shields, then teleported away.
11. The villain disabled the shields, then stole the master key.
12. The villain hacked the mainframe, then scrambled the logs.

Answer Key

Sabotage on the Starship Aegis

Culprit: Doctor Bashir

cyber-hacking · sonic-disrupter · left-handed blaster · spiked orange hair · magnetic fields

Trail: Start 21 → Clue 1 18 → Clue 2 13 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Subtraction): "THE SNEAKY FOE DOES NOT USE A DECOY DRONE"

5039 - 2285 = 2754 (T) · 9562 - 2902 = 6660 (Y) · 8904 - 1866 = 7038 (F) · 8193 - 455 = 7738 (A) · 8966 - 1406 = 7560 (O) · 12401 - 4199 = 8202 (R) · 3168 - 553 = 2615 (N) · 6284 - 4265 = 2019 (U) · 11698 - 3736 = 7962 (D) · 5725 - 1716 = 4009 (C) · 10858 - 4065 = 6793 (E) · 11457 - 4015 = 7442 (S) · 10798 - 4874 = 5924 (K) · 10667 - 3782 = 6885 (H)

Clue 2 (Addition): "THE BLAST PATTERN WAS MADE BY A LEFTY"

3140 + 2162 = 5302 (T) · 1421 + 1248 = 2669 (E) · 4500 + 3289 = 7789 (L) · 2066 + 3415 = 5481 (Y) · 2043 + 4255 = 6298 (N) · 1399 + 2813 = 4212 (M) · 2244 + 1272 = 3516 (B) · 1803 + 2992 = 4795 (P) · 1847 + 1372 = 3219 (H) · 1426 + 1667 = 3093 (S) · 4631 + 3811 = 8442 (R) · 1651 + 1624 = 3275 (W) · 4780 + 2912 = 7692 (F) · 2081 + 4786 = 6867 (D) · 1856 + 2537 = 4393 (A)

Clue 3 (Multiplication facts (1-12)): "THE VILLAIN SHUNNED STRONG MAGNETIC FIELDS"

$7 \times 1 = 7$ (T) · $4 \times 7 = 28$ (F) · $12 \times 7 = 84$ (S) · $7 \times 11 = 77$ (L) · $10 \times 10 = 100$ (D) · $2 \times 9 = 18$ (U) · $10 \times 7 = 70$ (G) · $7 \times 9 = 63$ (R) · $7 \times 5 = 35$ (C) · $2 \times 8 = 16$ (A) · $12 \times 12 = 144$ (M) · $11 \times 10 = 110$ (V) · $3 \times 5 = 15$ (I) · $4 \times 1 = 4$ (N) · $10 \times 5 = 50$ (H) · $11 \times 4 = 44$ (O) · $5 \times 6 = 30$ (E)

Clue 4 (Fractions of a number): "A SPIKED ORANGE HAIR WAS LEFT ON THE PANEL"

$\frac{2}{6}$ of 99 = 33 (A) · $\frac{4}{10}$ of 80 = 32 (T) · $\frac{4}{10}$ of 90 = 36 (P) · $\frac{1}{2}$ of 58 = 29 (S) · $\frac{1}{6}$ of 96 = 16 (R) · $\frac{3}{6}$ of 16 = 8 (H) · $\frac{6}{8}$ of 40 = 30 (D) · $\frac{4}{8}$ of 30 = 15 (N) · $\frac{5}{8}$ of 64 = 40 (L) · $\frac{5}{10}$ of 34 = 17 (F) · $\frac{4}{10}$ of 85 = 34 (E) · $\frac{5}{10}$ of 56 = 28 (W) · $\frac{3}{6}$ of 38 = 19 (O) · $\frac{5}{10}$ of 42 = 21 (G) · $\frac{4}{8}$ of 20 = 10 (K) · $\frac{2}{3}$ of 57 = 38 (I)

Clue 5 (Fractions of a number): surviving statement is box 12 → Doctor Bashir

$\frac{1}{3}$ of 30 = 10 · $\frac{1}{3}$ of 24 = 8 · $\frac{1}{3}$ of 33 = 11 · $\frac{4}{10}$ of 10 = 4 · $\frac{2}{10}$ of 45 = 9 · $\frac{2}{10}$ of 10 = 2 · $\frac{1}{6}$ of 30 = 5 · $\frac{3}{4}$ of 8 = 6 · $\frac{1}{4}$ of 28 = 7 · $\frac{2}{6}$ of 9 = 3 · $\frac{1}{2}$ of 2 = 1