The Outpost Sabotage

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

Detective: _____ **Date:** _____

A secret vault on Moon Kestro was breached during a droid patrol. Commander Cody needs your help to solve the clues and catch the rogue saboteur before the fleet arrives!

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 Saboteur is _____

Possible suspects

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

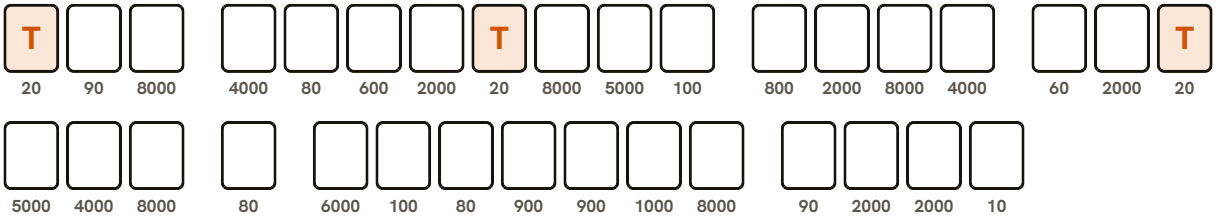
NAME	MAIN POWER	EXTRA GEAR	DOMINANT HAND	HELMET COLOR	WEAKNESS
Ahsoka	force push	shock dart	right handed	gold helmet	bright plasma beam
Hardcase	saber spin	shock dart	right handed	blue helmet	bright plasma beam
Fives	thermal blast	cloak shield	right handed	blue helmet	bright plasma beam
Rex	droid hack	flash grenade	left handed	gold helmet	loud sonic sound
Tup	saber spin	smoke pod	right handed	blue helmet	bright plasma beam
Waxer	jump jet	flash grenade	right handed	blue helmet	bright plasma beam
Fox	jump jet	grapple hook	left handed	red helmet	loud sonic sound
Jesse	droid hack	flash grenade	left handed	red helmet	bright plasma beam
Plo Koon	saber spin	smoke pod	left handed	gold helmet	bright plasma beam
Hunter	force push	smoke pod	left handed	blue helmet	bright plasma beam
Wrecker	saber spin	flash grenade	left handed	red helmet	bright plasma beam
Echo	force push	smoke pod	right handed	blue helmet	sticky foam jet
Luminara	droid hack	flash grenade	right handed	blue helmet	loud sonic sound
Tech	thermal blast	flash grenade	left handed	blue helmet	sticky foam jet
Boil	jump jet	smoke pod	right handed	red helmet	sticky foam jet
Aayla Secura	saber spin	grapple hook	right handed	blue helmet	bright plasma beam
Kix	thermal blast	cloak shield	left handed	red helmet	loud sonic sound
Shaak Ti	droid hack	cloak shield	left handed	blue helmet	bright plasma beam
Bly	saber spin	cloak shield	left handed	blue helmet	loud sonic sound
Gree	droid hack	smoke pod	left handed	red helmet	loud sonic sound
Cody	droid hack	smoke pod	right handed	red helmet	bright plasma beam

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CLUE 1 Place value

Commander Cody scans the command deck security readout to read the vault place value code.

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



What is the value of the 2 in 825? ☐ → T

What is the value of the 6 in 26,372? ☐ → G

What is the value of the 5 in 75,369? ☐ → U

What is the value of the 9 in 2,921? ☐ → P

What is the value of the 4 in 4,825? ☐ → S

What is the value of the 1 in 155? ☐ → R

What is the value of the 6 in 3,619? ☐ → B

What is the value of the 1 in 813? ☐ → K

What is the value of the 2 in 2,933? ☐ → O

What is the value of the 8 in 3,839? ☐ → D

What is the value of the 6 in 768? ☐ → N

What is the value of the 8 in 682? ☐ → A

What is the value of the 8 in 8,641? ☐ → E

What is the value of the 1 in 1,676? ☐ → L

What is the value of the 9 in 791? ☐ → H

Scratch space:

CLUE 2 Addition

Captain Rex counts the total energy cells recovered from two storage bays on the landing pad.

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



2909 + 6500 = ☐ → T	4820 + 2181 = ☐ → N	5248 + 4046 = ☐ → E
3560 + 3741 = ☐ → C	3856 + 3193 = ☐ → D	3950 + 3763 = ☐ → R
1637 + 1181 = ☐ → G	5239 + 3238 = ☐ → U	5521 + 3084 = ☐ → I
3209 + 2884 = ☐ → W	1933 + 2349 = ☐ → H	2049 + 3055 = ☐ → S
3838 + 2583 = ☐ → P	5997 + 3209 = ☐ → A	

Scratch space:

CLUE 3 Subtraction

> Tech checks how many power packs remain after the droid ambush drained the backup generator.

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



4248 - 3239 = ☐ → D

3808 - 1995 = ☐ → N

8001 - 2047 = ☐ → M

6537 - 832 = ☐ → U

2920 - 1455 = ☐ → E

10675 - 3612 = ☐ → P

7778 - 235 = ☐ → S

4889 - 3048 = ☐ → T

7219 - 3024 = ☐ → H

5578 - 469 = ☐ → L

4690 - 2051 = ☐ → B

5399 - 1826 = ☐ → A

8387 - 1604 = ☐ → F

1706 - 436 = ☐ → I

7839 - 4532 = ☐ → R

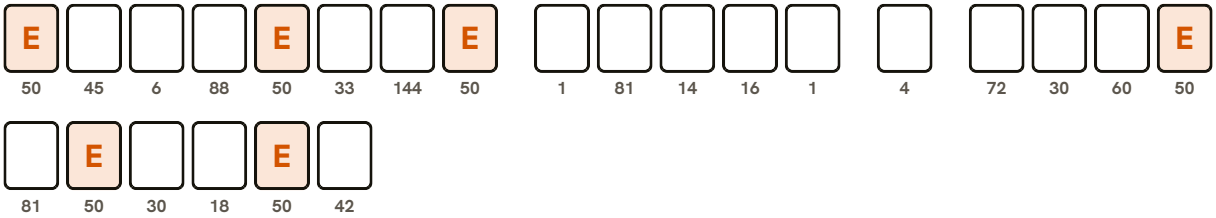
9062 - 2890 = ☐ → G

Scratch space:

CLUE 4 Multiplication facts (1-12)

> Ahsoka inspects four equal rows of supply crates found near the sabotaged hangar bay.

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



10 × 5 = ☐ → E	11 × 3 = ☐ → N	2 × 7 = ☐ → O	
2 × 3 = ☐ → I	6 × 7 = ☐ → T	8 × 2 = ☐ → W	12 × 6 = ☐ → B
4 × 1 = ☐ → A	8 × 11 = ☐ → D	2 × 9 = ☐ → M	
12 × 5 = ☐ → U	12 × 12 = ☐ → C	9 × 9 = ☐ → H	
6 × 5 = ☐ → L	1 × 1 = ☐ → S	9 × 5 = ☐ → V	

Scratch space:

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

General Plo Koon splits the incoming distress signals equally among five squad scanners.

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:

42 ÷ 7 = ☐ | 49 ÷ 7 = ☐ | 44 ÷ 11 = ☐ | 24 ÷ 8 = ☐ | 25 ÷ 5 = ☐

90 ÷ 9 = ☐ | 1 ÷ 1 = ☐ | 96 ÷ 8 = ☐ | 36 ÷ 4 = ☐ | 24 ÷ 3 = ☐

132 ÷ 12 = ☐

Step 2 - cross out the sentence with each answer:

1. The villain fired jump jets onto the roof, then shot a quick shock dart.
2. The villain spun a dual lightsaber, then shot a quick shock dart.
3. The villain fired jump jets onto the roof, then zipped up with a grapple hook.
4. The villain spun a dual lightsaber, then dropped a smoke pod.
5. The villain detonated a thermal blast, then threw a blinding flash grenade.
6. The villain fired jump jets onto the roof, then threw a blinding flash grenade.
7. The villain detonated a thermal blast, then deployed a cloak shield.
8. The villain hacked the central console, then dropped a smoke pod.
9. The villain force pushed the vault door, then shot a quick shock dart.
10. The villain hacked the central console, then deployed a cloak shield.
11. The villain force pushed the vault door, then threw a blinding flash grenade.
12. The villain force pushed the vault door, then dropped a smoke pod.

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TEACHER / PARENT

Answer Key

The Outpost Sabotage

Culprit: Hardcase

saber spin · shock dart · right handed · blue helmet · bright plasma beam

Trail: Start 21 → Clue 1 19 → Clue 2 9 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Place value): "THE SABOTEUR DOES NOT USE A GRAPPLE HOOK"

What is the value of the 2 in 825? = 20 (T) · What is the value of the 6 in 26,372? = 6000 (G) · What is the value of the 5 in 75,369? = 5000 (U) · What is the value of the 9 in 2,921? = 900 (P) · What is the value of the 4 in 4,825? = 4000 (S) · What is the value of the 1 in 155? = 100 (R) · What is the value of the 6 in 3,619? = 600 (B) · What is the value of the 1 in 813? = 10 (K) · What is the value of the 2 in 2,933? = 2000 (O) · What is the value of the 8 in 3,839? = 800 (D) · What is the value of the 6 in 768? = 60 (N) · What is the value of the 8 in 682? = 80 (A) · What is the value of the 8 in 8,641? = 8000 (E) · What is the value of the 1 in 1,676? = 1000 (L) · What is the value of the 9 in 791? = 90 (H)

Clue 2 (Addition): "THE WITNESS SAW A RIGHT HANDED SUSPECT"

2909 + 6500 = 9409 (T) · 4820 + 2181 = 7001 (N) · 5248 + 4046 = 9294 (E) · 3560 + 3741 = 7301 (C) · 3856 + 3193 = 7049 (D) · 3950 + 3763 = 7713 (R) · 1637 + 1181 = 2818 (G) · 5239 + 3238 = 8477 (U) · 5521 + 3084 = 8605 (I) · 3209 + 2884 = 6093 (W) · 1933 + 2349 = 4282 (H) · 2049 + 3055 = 5104 (S) · 3838 + 2583 = 6421 (P) · 5997 + 3209 = 9206 (A)

Clue 3 (Subtraction): "DEFENDERS USED A BRIGHT PLASMA BEAM"

4248 - 3239 = 1009 (D) · 3808 - 1995 = 1813 (N) · 8001 - 2047 = 5954 (M) · 6537 - 832 = 5705 (U) · 2920 - 1455 = 1465 (E) · 10675 - 3612 = 7063 (P) · 7778 - 235 = 7543 (S) · 4889 - 3048 = 1841 (T) · 7219 - 3024 = 4195 (H) · 5578 - 469 = 5109 (L) · 4690 - 2051 = 2639 (B) · 5399 - 1826 = 3573 (A) · 8387 - 1604 = 6783 (F) · 1706 - 436 = 1270 (I) · 7839 - 4532 = 3307 (R) · 9062 - 2890 = 6172 (G)

Clue 4 (Multiplication facts (1-12)): "EVIDENCE SHOWS A BLUE HELMET"

10 × 5 = 50 (E) · 11 × 3 = 33 (N) · 2 × 7 = 14 (O) · 2 × 3 = 6 (I) · 6 × 7 = 42 (T) · 8 × 2 = 16 (W) · 12 × 6 = 72 (B) · 4 × 1 = 4 (A) · 8 × 11 = 88 (D) · 2 × 9 = 18 (M) · 12 × 5 = 60 (U) · 12 × 12 = 144 (C) · 9 × 9 = 81 (H) · 6 × 5 = 30 (L) · 1 × 1 = 1 (S) · 9 × 5 = 45 (V)

Clue 5 (Division facts (1-12)): surviving statement is box 2 → Hardcase

42 ÷ 7 = 6 · 49 ÷ 7 = 7 · 44 ÷ 11 = 4 · 24 ÷ 8 = 3 · 25 ÷ 5 = 5 · 90 ÷ 9 = 10 · 1 ÷ 1 = 1 · 96 ÷ 8 = 12 · 36 ÷ 4 = 9 · 24 ÷ 3 = 8 · 132 ÷ 12 = 11