



The Great Sky-Harbor Heist

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

Detective: _____ Date: _____

The golden Wind-Compass has been stolen from the Chief Navigator! We must track down the Sky-Bandit who sneaked onto the flagship.

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 Sky-Bandit is _____

Possible suspects

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

NAME	AIRSHIP TYPE	SPECIAL GEAR	STEERING HAND	GOGGLES COLOR	SECRET WEAKNESS
Jack	Storm Runner	gravity anchor	right-handed pilot	silver goggles	afraid of storms
Max	Wind Whisperer	gravity anchor	left-handed pilot	silver goggles	allergic to berries
Eli	Sky Galleon	lightning shield	right-handed pilot	gold goggles	afraid of storms
Leo	Wind Whisperer	vapor cloak	right-handed pilot	gold goggles	afraid of storms
Maya	Sky Galleon	wind booster	right-handed pilot	silver goggles	ticklish ears
Nora	Cloud Clipper	lightning shield	right-handed pilot	gold goggles	allergic to berries
Ava	Storm Runner	vapor cloak	right-handed pilot	gold goggles	afraid of storms
Ella	Cloud Clipper	solar sail	right-handed pilot	gold goggles	ticklish ears
Lily	Wind Whisperer	wind booster	right-handed pilot	silver goggles	allergic to berries
Mia	Sky Galleon	solar sail	left-handed pilot	gold goggles	afraid of storms
Grace	Gale Glider	lightning shield	right-handed pilot	bronze goggles	afraid of storms
Chloe	Sky Galleon	wind booster	right-handed pilot	bronze goggles	ticklish ears
Kai	Cloud Clipper	gravity anchor	right-handed pilot	bronze goggles	allergic to berries
Owen	Sky Galleon	wind booster	right-handed pilot	gold goggles	afraid of storms
Zack	Gale Glider	gravity anchor	right-handed pilot	gold goggles	allergic to berries
Sophie	Storm Runner	solar sail	right-handed pilot	gold goggles	ticklish ears
Toby	Wind Whisperer	lightning shield	right-handed pilot	bronze goggles	allergic to berries
Sam	Storm Runner	solar sail	right-handed pilot	gold goggles	afraid of storms
Hugo	Gale Glider	vapor cloak	left-handed pilot	silver goggles	allergic to berries
Ruby	Wind Whisperer	solar sail	left-handed pilot	bronze goggles	allergic to berries
Ben	Wind Whisperer	wind booster	left-handed pilot	gold goggles	allergic to berries

CLUE 1 Rounding

Our altimeter dial is cracked. To read our altitude, we must round the blurry numbers to the nearest ten to clear the display. This points us to the bandit's hidden gear!

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

T																T
70	80	9000	60	8000	600	600	7000	8000	20	5000	2000	9000	3000	20	2000	70
90	3000	9000	7000	6000	8000	20	5000	200	2000	2000	3000	70	9000	4000		

Round 67 to the nearest ten → **T**

Round 3,974 to the nearest thousand → **R**

Round 2,216 to the nearest thousand → **O**

Round 8,990 to the nearest thousand → **E**

Round 24 to the nearest ten → **N**

Round 646 to the nearest hundred → **L**

Round 3,143 to the nearest thousand → **S**

Round 6,953 to the nearest thousand → **A**

Round 6,151 to the nearest thousand → **W**

Round 157 to the nearest hundred → **B**

Round 57 to the nearest ten → **V**

Round 81 to the nearest ten → **H**

Round 4,600 to the nearest thousand → **D**

Round 94 to the nearest ten → **U**

Round 8,048 to the nearest thousand → **I**

Scratch space:

CLUE 2 Addition

We search the cargo bay and count the extra energy cells. By adding up the crates of batteries, we find the cargo manifest page with the bandit's steering style.

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

T																	T
539	242	237	618	433	899	899	201	433	944	433	331	201	282	433	815	242	539

										T
242	201	944	903	237	903	390	433	899	971	539

$201 + 338 = \square \rightarrow \text{T}$	$128 + 114 = \square \rightarrow \text{H}$	$327 + 644 = \square \rightarrow \text{O}$
$448 + 367 = \square \rightarrow \text{G}$	$79 + 122 = \square \rightarrow \text{A}$	$282 + 336 = \square \rightarrow \text{V}$
$126 + 111 = \square \rightarrow \text{E}$	$520 + 383 = \square \rightarrow \text{D}$	$185 + 248 = \square \rightarrow \text{I}$
$95 + 187 = \square \rightarrow \text{R}$	$511 + 388 = \square \rightarrow \text{L}$	$153 + 237 = \square \rightarrow \text{P}$
$382 + 562 = \square \rightarrow \text{N}$	$215 + 116 = \square \rightarrow \text{S}$	

Scratch space:

CLUE 3

Subtraction

To catch up, we must drop weight from our balloon. Subtracting the extra ballast sandbags shows us the bandit's secret fear.

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

T																	
162	762	210	205	496	396	396	833	496	590	261	580	590	450	512	261	673	781

	T				
450	162	673	261	781	450

$558 - 396 = \square \rightarrow \boxed{\text{T}}$

$841 - 329 = \square \rightarrow \boxed{\text{F}}$

$825 - 44 = \square \rightarrow \boxed{\text{M}}$

$883 - 293 = \square \rightarrow \boxed{\text{N}}$

$282 - 21 = \square \rightarrow \boxed{\text{R}}$

$652 - 72 = \square \rightarrow \boxed{\text{U}}$

$746 - 73 = \square \rightarrow \boxed{\text{O}}$

$397 - 187 = \square \rightarrow \boxed{\text{E}}$

$555 - 105 = \square \rightarrow \boxed{\text{S}}$

$929 - 96 = \square \rightarrow \boxed{\text{A}}$

$914 - 152 = \square \rightarrow \boxed{\text{H}}$

$570 - 365 = \square \rightarrow \boxed{\text{V}}$

$711 - 315 = \square \rightarrow \boxed{\text{L}}$

$838 - 342 = \square \rightarrow \boxed{\text{I}}$

Scratch space:

CLUE 4

Multiplication facts (1-12)

The hangar floor is lined with rows of toolboxes. Multiplying the rows by the boxes in each row gives us the key to find the goggles left behind.

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

W															
45	36	25	10	9	16	120	99	81	22	16	8	18	10	55	120
18	10	18	18	55	36	99									

$9 \times 5 = \square \rightarrow \boxed{\text{W}}$

$12 \times 3 = \square \rightarrow \boxed{\text{E}}$

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

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

$11 \times 5 = \square \rightarrow \boxed{\text{L}}$

$1 \times 9 = \square \rightarrow \boxed{\text{U}}$

$11 \times 2 = \square \rightarrow \boxed{\text{I}}$

$4 \times 2 = \square \rightarrow \boxed{\text{Y}}$

$12 \times 10 = \square \rightarrow \boxed{\text{D}}$

$9 \times 11 = \square \rightarrow \boxed{\text{S}}$

$5 \times 5 = \square \rightarrow \boxed{\text{F}}$

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

$9 \times 9 = \square \rightarrow \boxed{\text{H}}$

Scratch space:

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

We must share our map pieces equally among the search teams. Dividing the maps helps us narrow down the final suspects on our list.

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:

$54 \div 6 = \boxed{}$

$7 \div 7 = \boxed{}$

$70 \div 10 = \boxed{}$

$9 \div 3 = \boxed{}$

$66 \div 6 = \boxed{}$

$10 \div 2 = \boxed{}$

$100 \div 10 = \boxed{}$

$44 \div 11 = \boxed{}$

$22 \div 11 = \boxed{}$

$60 \div 10 = \boxed{}$

$120 \div 10 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain swings on a loose rope ladder, then drops a trail of sparkling dust.
2. The villain steers a fast airship, then escapes into the sunny sunset.
3. The villain zooms past the floating docks, then hides behind a mountain peak.
4. The villain swings on a loose rope ladder, then hides behind a mountain peak.
5. The villain swings on a loose rope ladder, then signals to a hidden crew.
6. The villain steers a fast airship, then signals to a hidden crew.
7. The villain glides through a fluffy cloud, then drops a trail of sparkling dust.
8. The villain swings on a loose rope ladder, then lands on a tiny secret island.
9. The villain climbs the tall crows nest, then hides behind a mountain peak.
10. The villain zooms past the floating docks, then lands on a tiny secret island.
11. The villain zooms past the floating docks, then drops a trail of sparkling dust.
12. The villain steers a fast airship, then drops a trail of sparkling dust.

Answer Key

The Great Sky-Harbor Heist

Culprit: Sam

Storm Runner · solar sail · right-handed pilot · gold goggles · afraid of storms

Trail: Start 21 → Clue 1 16 → Clue 2 12 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE VILLAIN DOES NOT USE A WIND BOOSTER"

Round 67 to the nearest ten = 70 (T) · Round 3,974 to the nearest thousand = 4000 (R) · Round 2,216 to the nearest thousand = 2000 (O) · Round 8,990 to the nearest thousand = 9000 (E) · Round 24 to the nearest ten = 20 (N) · Round 646 to the nearest hundred = 600 (L) · Round 3,143 to the nearest thousand = 3000 (S) · Round 6,953 to the nearest thousand = 7000 (A) · Round 6,151 to the nearest thousand = 6000 (W) · Round 157 to the nearest hundred = 200 (B) · Round 57 to the nearest ten = 60 (V) · Round 81 to the nearest ten = 80 (H) · Round 4,600 to the nearest thousand = 5000 (D) · Round 94 to the nearest ten = 90 (U) · Round 8,048 to the nearest thousand = 8000 (I)

Clue 2 (Addition): "THE VILLAIN IS A RIGHT HANDED PILOT"

$201 + 338 = 539$ (T) · $128 + 114 = 242$ (H) · $327 + 644 = 971$ (O) · $448 + 367 = 815$ (G) · $79 + 122 = 201$ (A) · $282 + 336 = 618$ (V) · $126 + 111 = 237$ (E) · $520 + 383 = 903$ (D) · $185 + 248 = 433$ (I) · $95 + 187 = 282$ (R) · $511 + 388 = 899$ (L) · $153 + 237 = 390$ (P) · $382 + 562 = 944$ (N) · $215 + 116 = 331$ (S)

Clue 3 (Subtraction): "THE VILLAIN RUNS FROM STORMS"

$558 - 396 = 162$ (T) · $841 - 329 = 512$ (F) · $825 - 44 = 781$ (M) · $883 - 293 = 590$ (N) · $282 - 21 = 261$ (R) · $652 - 72 = 580$ (U) · $746 - 73 = 673$ (O) · $397 - 187 = 210$ (E) · $555 - 105 = 450$ (S) · $929 - 96 = 833$ (A) · $914 - 152 = 762$ (H) · $570 - 365 = 205$ (V) · $711 - 315 = 396$ (L) · $838 - 342 = 496$ (I)

Clue 4 (Multiplication facts (1-12)): "WE FOUND SHINY GOLD GOGGLES"

$9 \times 5 = 45$ (W) · $12 \times 3 = 36$ (E) · $9 \times 2 = 18$ (G) · $4 \times 4 = 16$ (N) · $11 \times 5 = 55$ (L) · $1 \times 9 = 9$ (U) · $11 \times 2 = 22$ (I) · $4 \times 2 = 8$ (Y) · $12 \times 10 = 120$ (D) · $9 \times 11 = 99$ (S) · $5 \times 5 = 25$ (F) · $1 \times 10 = 10$ (O) · $9 \times 9 = 81$ (H)

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

$54 \div 6 = 9$ · $7 \div 7 = 1$ · $70 \div 10 = 7$ · $9 \div 3 = 3$ · $66 \div 6 = 11$ · $10 \div 2 = 5$ · $100 \div 10 = 10$ · $44 \div 11 = 4$ · $22 \div 11 = 2$ · $60 \div 10 = 6$ · $120 \div 10 = 12$