



The Sky Bandit of Nimbus Bay

Grade 4 math · Rounding, Addition, Subtraction, Multiplication, Division · Reading level grades 5-6

Detective: _____ Date: _____

The legendary sky-compass has been stolen from the high tower of Nimbus Bay! A rogue pilot slipped past the guard balloons under the cover of night. We must search the docks and skies to solve the mystery.

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 pilot is _____

Possible suspects

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

NAME	SKYSHIP TYPE	GADGET CHOICE	STEERING HAND	HAIR COLOR	BIGGEST FEAR
Orville Wright	Biplane	Grappling Hook	Left-handed pilot	Golden Hair	Fear of heights
Aero Arthur	Glider	Grappling Hook	Right-handed pilot	Golden Hair	Fear of heights
Gale Force Gary	Steam-Copter	Smoke Bomb	Right-handed pilot	Crimson Hair	Fear of heights
Baron Von Red	Biplane	Harpoon Gun	Left-handed pilot	Golden Hair	Fear of seagulls
Cloudy Chloe	Steam-Copter	Harpoon Gun	Left-handed pilot	Crimson Hair	Fear of seagulls
Skyler Swift	Jet-Balloon	Smoke Bomb	Left-handed pilot	Crimson Hair	Fear of heights
Navigator Ned	Biplane	Grappling Hook	Left-handed pilot	Crimson Hair	Fear of seagulls
Windy Wendy	Steam-Copter	Wind Bellows	Right-handed pilot	Golden Hair	Fear of heights
Glider Grace	Biplane	Smoke Bomb	Left-handed pilot	Golden Hair	Fear of seagulls
Zephyr Zach	Jet-Balloon	Grappling Hook	Left-handed pilot	Golden Hair	Fear of lightning
Wilbur Wright	Glider	Grappling Hook	Left-handed pilot	Golden Hair	Fear of lightning
Propeller Paula	Glider	Wind Bellows	Left-handed pilot	Crimson Hair	Fear of heights
Sky-Skimmer Sam	Jet-Balloon	Net Launcher	Left-handed pilot	Golden Hair	Fear of heights
Captain Kidd	Glider	Net Launcher	Left-handed pilot	Crimson Hair	Fear of heights
Stormy Stella	Jet-Balloon	Net Launcher	Left-handed pilot	Silver Hair	Fear of heights
Helicopter Harry	Steam-Copter	Smoke Bomb	Left-handed pilot	Golden Hair	Fear of heights
Captain Barnaby	Steam-Copter	Wind Bellows	Right-handed pilot	Silver Hair	Fear of seagulls
Breezy Beatrice	Zeppelin	Net Launcher	Right-handed pilot	Golden Hair	Fear of seagulls
Jetpack Jack	Glider	Grappling Hook	Left-handed pilot	Golden Hair	Fear of heights
Fearless Fiona	Biplane	Net Launcher	Left-handed pilot	Crimson Hair	Fear of heights
Charles Lindy	Zeppelin	Wind Bellows	Left-handed pilot	Golden Hair	Fear of heights

CLUE 1

We checked the tower wind-speed dial, but it is badly cracked. It only shows the wind speed rounded to the nearest ten knots. Let's round the display to decode our first clue.

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

110 900 230 90 700 4300 4300 9000 700 50 3000 20 230 300 50 20 110

370 300 230 9000 50 230 110 4300 9000 370 50 2300 900 230 170

Round 110 to the nearest ten $\rightarrow$ **T**

Round 167 to the nearest ten $\rightarrow$ **R**

Round 2,277 to the nearest hundred → **C**

Round 347 to the nearest hundred $\rightarrow$ **S**

Round 4,298 to the nearest hundred

Round 9,265 to the nearest thousand	→	A
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Round 86 to the nearest ten $\rightarrow$ **V**

Round 19 to the nearest ten $\rightarrow$ **0**

Round 896 to the nearest hundred $\rightarrow$ **H**

Round 373 to the nearest ten $\rightarrow$ **U**

Round 233 to the nearest ten $\rightarrow$ **E**

Round 54 to the nearest ten $\rightarrow$ **N**

Round 2,530 to the nearest thousand → **D**

Round 724 to the nearest hundred $\rightarrow$

Scratch space:

CLUE 2 Addition

The patrol crew found several bags of dropped cargo scattered across the lower sky-docks. Let's add all the recovered items together to see what the thief left behind.

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

T						T								
2784	5848	5471	7615	6803	5818	2784	8354	6803	9353	7204	6234	5471	8354	5471

						T		T					T	
7636	6227	7204	5848	5471	9817	2784	6803	2784	5848	5471	9353	5471	4676	2784

1659 + 1125 = → T	1883 + 3965 = → H	2268 + 4535 = → O
2482 + 3336 = → N	2308 + 3163 = → E	3102 + 6715 = → D
2115 + 2561 = → F	2172 + 4062 = → W	6486 + 2867 = → L
4232 + 2972 = → S	3559 + 4056 = → C	3256 + 5098 = → R
3123 + 4513 = → P	3391 + 2836 = → U	

Scratch space:

CLUE 3
Subtraction

Our main engine fuel tank was siphoned during the heist. By subtracting the remaining fuel from the starting amount, we can calculate how far the getaway ship can travel.

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

T																	
4479	5894	6448	3758	5164	2720	6602	2926	4423	5741	6448	8123	3215	5894	6448	6602		
6628	7309	3758	2926	6602	1420	2720	4125	1152	4460	6448	4423	7309	1152	6965	8123	1861	

$5710 - 1231 = \square \rightarrow \boxed{\text{T}}$

$11423 - 4114 = \square \rightarrow \boxed{\text{L}}$

$8425 - 4002 = \square \rightarrow \boxed{\text{C}}$

$4530 - 405 = \square \rightarrow \boxed{\text{B}}$

$5605 - 1145 = \square \rightarrow \boxed{\text{V}}$

$8087 - 2193 = \square \rightarrow \boxed{\text{H}}$

$4797 - 1039 = \square \rightarrow \boxed{\text{Y}}$

$7816 - 851 = \square \rightarrow \boxed{\text{U}}$

$9950 - 3502 = \square \rightarrow \boxed{\text{E}}$

$7314 - 4388 = \square \rightarrow \boxed{\text{I}}$

$5913 - 172 = \square \rightarrow \boxed{\text{K}}$

$4855 - 2994 = \square \rightarrow \boxed{\text{S}}$

$8467 - 344 = \square \rightarrow \boxed{\text{D}}$

$5633 - 4481 = \square \rightarrow \boxed{\text{O}}$

$8660 - 2058 = \square \rightarrow \boxed{\text{N}}$

$6300 - 1136 = \square \rightarrow \boxed{\text{P}}$

$5725 - 3005 = \square \rightarrow \boxed{\text{A}}$

$6802 - 174 = \square \rightarrow \boxed{\text{F}}$

$5307 - 3887 = \square \rightarrow \boxed{\text{G}}$

$7615 - 4400 = \square \rightarrow \boxed{\text{W}}$

Scratch space:

Multiplication facts (1-12)

The sky-dock warehouse has crates stacked in neat, even rows. To find out if any navigation tools are missing, we must multiply the number of rows by the crates in each row.

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

Diagram illustrating a sequence of boxes and numbers, with some boxes containing the letter 'S'.

Row 1: [S] 12, 90, 110, 1, 110, 1, 6, 32, 55, 9, 9, 54, 108, [S] 12, 20, 80, 40, 1, 33, [S] 12

Row 2: 10, 9, 22, 1, 6, 20, 54, 20, 90, 55, [S] 12, 55, 40, 20

$12 \times 1 = \boxed{} \rightarrow \mathbf{S}$

$$2 \times 10 = \boxed{} \rightarrow \boxed{\text{T}}$$

$$10 \times 8 = \boxed{} \rightarrow \boxed{\text{R}}$$

$5 \times 2 = \boxed{} \rightarrow \boxed{\text{C}}$

$10 \times 9 = \boxed{} \rightarrow \boxed{\text{H}}$

$6 \times 1 = \boxed{} \rightarrow \boxed{\mathbf{G}}$

$11 \times 10 =$		$\rightarrow$	I
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5 × 8 = → **A**

11 × 3 = → **D**

$1 \times 1 = \boxed{} \rightarrow \boxed{N}$

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

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

$11 \times 5 = \boxed{} \rightarrow \boxed{\text{E}}$

$6 \times 9 = \boxed{} \rightarrow \boxed{0}$

$4 \times 8 = \square \rightarrow \mathbf{Y}$

$12 \times 9 = \boxed{} \rightarrow \boxed{\mathbf{W}}$

Scratch space:

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

The Nimbus Patrol needs to split up the remaining search sectors equally among their scout ships. If we divide the total map squares by our number of scouts, we will find the final clue.

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:

$132 \div 12 = \boxed{}$

$7 \div 7 = \boxed{}$

$5 \div 1 = \boxed{}$

$36 \div 4 = \boxed{}$

$8 \div 1 = \boxed{}$

$132 \div 11 = \boxed{}$

$14 \div 7 = \boxed{}$

$120 \div 12 = \boxed{}$

$48 \div 8 = \boxed{}$

$63 \div 9 = \boxed{}$

$44 \div 11 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain steered the massive zeppelin, then blasted away using the wind bellows.
2. The villain hovered close in the steam-copter, then blasted away using the wind bellows.
3. The villain hovered close in the steam-copter, then vanished behind a thick smoke bomb.
4. The villain roared past in the biplane, then vanished behind a thick smoke bomb.
5. The villain roared past in the biplane, then escaped by swinging from a grappling hook.
6. The villain swooped down on the glider, then vanished behind a thick smoke bomb.
7. The villain steered the massive zeppelin, then escaped by swinging from a grappling hook.
8. The villain swooped down on the glider, then blasted away using the wind bellows.
9. The villain drifted quietly in the jet-balloon, then blasted away using the wind bellows.
10. The villain hovered close in the steam-copter, then tangled the pursuit ship with a net launcher.
11. The villain swooped down on the glider, then escaped by swinging from a grappling hook.
12. The villain drifted quietly in the jet-balloon, then tangled the pursuit ship with a net launcher.

Answer Key

The Sky Bandit of Nimbus Bay

Culprit: Helicopter Harry

Steam-Copter · Smoke Bomb · Left-handed pilot · Golden Hair · Fear of heights

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 NET LAUNCHER"

Round 110 to the nearest ten = 110 (T) · Round 167 to the nearest ten = 170 (R) · Round 2,277 to the nearest hundred = 2300 (C) · Round 347 to the nearest hundred = 300 (S) · Round 4,298 to the nearest hundred = 4300 (L) · Round 9,265 to the nearest thousand = 9000 (A) · Round 86 to the nearest ten = 90 (V) · Round 19 to the nearest ten = 20 (O) · Round 896 to the nearest hundred = 900 (H) · Round 373 to the nearest ten = 370 (U) · Round 233 to the nearest ten = 230 (E) · Round 54 to the nearest ten = 50 (N) · Round 2,530 to the nearest thousand = 3000 (D) · Round 724 to the nearest hundred = 700 (I)

Clue 2 (Addition): "THE CONTROLS WERE PUSHED TO THE LEFT"

$1659 + 1125 = 2784$ (T) · $1883 + 3965 = 5848$ (H) · $2268 + 4535 = 6803$ (O) · $2482 + 3336 = 5818$ (N) · $2308 + 3163 = 5471$ (E) · $3102 + 6715 = 9817$ (D) · $2115 + 2561 = 4676$ (F) · $2172 + 4062 = 6234$ (W) · $6486 + 2867 = 9353$ (L) · $4232 + 2972 = 7204$ (S) · $3559 + 4056 = 7615$ (C) · $3256 + 5098 = 8354$ (R) · $3123 + 4513 = 7636$ (P) · $3391 + 2836 = 6227$ (U)

Clue 3 (Subtraction): "THEY PANICKED WHEN FLYING ABOVE CLOUDS"

$5710 - 1231 = 4479$ (T) · $11423 - 4114 = 7309$ (L) · $8425 - 4002 = 4423$ (C) · $4530 - 405 = 4125$ (B) · $5605 - 1145 = 4460$ (V) · $8087 - 2193 = 5894$ (H) · $4797 - 1039 = 3758$ (Y) · $7816 - 851 = 6965$ (U) · $9950 - 3502 = 6448$ (E) · $7314 - 4388 = 2926$ (I) · $5913 - 172 = 5741$ (K) · $4855 - 2994 = 1861$ (S) · $8467 - 344 = 8123$ (D) · $5633 - 4481 = 1152$ (O) · $8660 - 2058 = 6602$ (N) · $6300 - 1136 = 5164$ (P) · $5725 - 3005 = 2720$ (A) · $6802 - 174 = 6628$ (F) · $5307 - 3887 = 1420$ (G) · $7615 - 4400 = 3215$ (W)

Clue 4 (Multiplication facts (1-12)): "SHINING YELLOW STRANDS CLUNG TO THE SEAT"

$12 \times 1 = 12$ (S) · $2 \times 10 = 20$ (T) · $10 \times 8 = 80$ (R) · $5 \times 2 = 10$ (C) · $10 \times 9 = 90$ (H) · $6 \times 1 = 6$ (G) · $11 \times 10 = 110$ (I) · $5 \times 8 = 40$ (A) · $11 \times 3 = 33$ (D) · $1 \times 1 = 1$ (N) · $1 \times 9 = 9$ (L) · $11 \times 2 = 22$ (U) · $11 \times 5 = 55$ (E) · $6 \times 9 = 54$ (O) · $4 \times 8 = 32$ (Y) · $12 \times 9 = 108$ (W)

Clue 5 (Division facts (1-12)): surviving statement is box 3 → Helicopter Harry

$132 \div 12 = 11$ · $7 \div 7 = 1$ · $5 \div 1 = 5$ · $36 \div 4 = 9$ · $8 \div 1 = 8$ · $132 \div 11 = 12$ · $14 \div 7 = 2$ · $120 \div 12 = 10$ · $48 \div 8 = 6$ · $63 \div 9 = 7$ · $44 \div 11 = 4$