



The Whispering Winds Airship Heist

Grade 4 math · Rounding, Multi-step word problems, Addition, Subtraction, Division · Reading level grades 5-6

Detective: _____ Date: _____

A sneaky sky bandit has stolen the legendary Golden Compass from the captain's cabin! The airship is drifting off course, and the crew needs your help to crack the codes, track down the culprit, and recover the compass before the storm hits.

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	ADVENTURE GEAR	SPECIAL GADGET	HOLSTER SIDE	HAIRSTYLE	VULNERABILITY
Nellie	cloud-gliding	smoke-pellets	right-side compass holster	shaggy brown curls	scared of heights
Skye	map-reading	rope-darts	left-side compass holster	wild silver spikes	scared of heights
Indiana	wind-whistling	smoke-pellets	right-side compass holster	wild silver spikes	allergic to sky-lemons
Silas	propeller-booting	spark-bombs	right-side compass holster	shaggy brown curls	distracted by shiny keys
Finneas	grapple-swinging	flash-powder	right-side compass holster	shaggy brown curls	scared of heights
Skipper	propeller-booting	smoke-pellets	left-side compass holster	shaggy brown curls	distracted by shiny keys
Dash	wind-whistling	net-launchers	right-side compass holster	shaggy brown curls	scared of heights
Toby	map-reading	net-launchers	right-side compass holster	shaggy brown curls	distracted by shiny keys
Leo	wind-whistling	flash-powder	right-side compass holster	bright orange ponytail	scared of heights
Marco	cloud-gliding	flash-powder	left-side compass holster	wild silver spikes	distracted by shiny keys
Penny	cloud-gliding	rope-darts	left-side compass holster	bright orange ponytail	allergic to sky-lemons
Barnaby	map-reading	net-launchers	left-side compass holster	shaggy brown curls	scared of heights
Ziggy	grapple-swinging	rope-darts	left-side compass holster	wild silver spikes	distracted by shiny keys
Gemma	wind-whistling	smoke-pellets	right-side compass holster	shaggy brown curls	scared of heights
Hudson	cloud-gliding	spark-bombs	right-side compass holster	shaggy brown curls	scared of heights
Maya	propeller-booting	net-launchers	left-side compass holster	shaggy brown curls	scared of heights
Drake	wind-whistling	flash-powder	right-side compass holster	wild silver spikes	scared of heights
Pippa	map-reading	flash-powder	right-side compass holster	wild silver spikes	scared of heights
Jax	map-reading	rope-darts	right-side compass holster	bright orange ponytail	scared of heights
Isabella	wind-whistling	spark-bombs	right-side compass holster	bright orange ponytail	allergic to sky-lemons
Rusty	grapple-swinging	rope-darts	left-side compass holster	wild silver spikes	scared of heights

CLUE 1

Our crew counted the heavy crates stored on the upper and lower decks of the Wind-Runner. After adding up the total and subtracting the broken gear, we found a crumpled note tucked under a cargo strap.

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

370 300 200 130 1700 2900 2900 2300 1700 3000 7000 230 200 900 3000 230 370

290 900 200 900 1100 2300 170 3700 700 230 50 700 900

Round 370 to the nearest ten $\rightarrow$ **T**

Round 52 to the nearest ten $\rightarrow$ **M**

Round 286 to the nearest ten $\rightarrow$ **U**

Round 285 to the nearest hundred → **H**

Round 2,584 to the nearest thousand $\rightarrow$ **N**

Round 2,340 to the nearest hundred $\rightarrow$ **A**

Round 7,348 to the nearest thousand → **D**

Round 132 to the nearest ten $\rightarrow$ **V**

Round 857 to the nearest hundred $\rightarrow$ **S**

Round 248 to the nearest hundred → **E**

Round 173 to the nearest ten $\rightarrow$ **R**

Round 2,932 to the nearest hundred → **L**

Round 1,076 to the nearest hundred $\rightarrow$ **P**

Round 1,695 to the nearest hundred $\rightarrow$

Round 655 to the nearest hundred → **B**

Round 3,749 to the nearest hundred → **K**

Round 230 to the nearest ten $\rightarrow$

Scratch space:

CLUE 2

Multi-step word problems

The airship altimeter is rusty and only displays altitudes rounded to the nearest hundred meters. By checking the blurry radar screen, we decoded a secret message hidden in the airwaves.

Solve each problem, then write its letter in the boxes to fill in the missing word.

A witness saw the villain was

R								E	C	O	M	P	A				O	L			E	R
57	27	13	28	42	44	27	10							44	44	28			44	42		57

The deckhand earned 8 grappling hooks in each of 6 rounds, plus 23 bonus grappling hooks. Then 14 grappling hooks were lost. How many grappling hooks are left?

Answer: → **R**

The deckhand collected 25 gold coins in the morning and 15 gold coins in the afternoon, then split them equally among 4 the Sky-Scouts. How many gold coins did each get?

Answer: → **D**

There were 195 gold coins in all. 1 the Sky-Scouts used 33 gold coins each. The other 6 the Sky-Scouts shared the rest equally. How many gold coins did each of the other the Sky-Scouts get?

Answer: → **I**

The deckhand collected 6 spyglasses in the morning and 50 spyglasses in the afternoon, then split them equally among 2 the Sky-Scouts. How many spyglasses did each get?

Answer: → **H**

The deckhand collected 142 spyglasses in the morning and 34 spyglasses in the afternoon, then split them equally among 4 the Sky-Scouts. How many spyglasses did each get?

Answer: → **S**

The deckhand filled 2 boxes with 2 spyglasses each, then found 38 more spyglasses. How many spyglasses are there in all?

Answer: → **T**

The deckhand earned 4 gold coins in each of 3 rounds, plus 14 bonus gold coins. Then 13 gold coins were lost. How many gold coins are left?

Answer: → **G**

Scratch space:

CLUE 3 **Addition**

We gathered all the gold-lined map fragments we recovered from the sky-docks. When we tallied them up to find the sum, we spotted some faint writing scrawled on the back of the parchment.

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

T 3571 3171 9544	T T 3571 5038 8001 5083 9544 3571	7978 4756	5038 3189 8001 5038 7978 2035	4951 3189
T 3171 9544 7978 5083 3171 3571 4756				

2112 + 1459 = → T	4109 + 3892 = → R	667 + 1368 = → D
4947 + 3031 = → I	1866 + 1305 = → H	1634 + 3404 = → A
2743 + 2208 = → O	3412 + 6132 = → E	1608 + 3148 = → S
2047 + 3036 = → G	2185 + 1004 = → F	

Scratch space:

CLUE 4

Subtraction

Our water barrels had a slow leak during the flight over the Whispering Peaks. By measuring how many liters of water we lost from our stash, we uncovered a clue carved into the barrel bottom.

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

W																	W	
3565	7194	6478	1675	3808	1010	2918	2138	7906	3972	1445	1445	3181	5378	5444	1675	3565	1010	

3724	3808	5444	6494	2138

$7504 - 3939 = \square \rightarrow \text{W}$

$10007 - 3513 = \square \rightarrow \text{L}$

$4877 - 3202 = \square \rightarrow \text{O}$

$7742 - 2298 = \square \rightarrow \text{R}$

$11194 - 4716 = \square \rightarrow \text{F}$

$4133 - 325 = \square \rightarrow \text{U}$

$11793 - 3887 = \square \rightarrow \text{H}$

$7070 - 3889 = \square \rightarrow \text{Y}$

$6114 - 3976 = \square \rightarrow \text{S}$

$11473 - 4279 = \square \rightarrow \text{E}$

$2307 - 862 = \square \rightarrow \text{G}$

$6113 - 3195 = \square \rightarrow \text{D}$

$1075 - 65 = \square \rightarrow \text{N}$

$6674 - 2950 = \square \rightarrow \text{C}$

$6508 - 2536 = \square \rightarrow \text{A}$

$5462 - 84 = \square \rightarrow \text{B}$

Scratch space:

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

To search the floating island quickly, we split our search team into equal groups of explorers. Once everyone had their fair share of walkie-talkies, we intercepted a static-filled transmission.

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:

$99 \div 9 = \boxed{}$

$11 \div 11 = \boxed{}$

$45 \div 5 = \boxed{}$

$80 \div 10 = \boxed{}$

$72 \div 6 = \boxed{}$

$63 \div 9 = \boxed{}$

$20 \div 2 = \boxed{}$

$18 \div 3 = \boxed{}$

$25 \div 5 = \boxed{}$

$24 \div 8 = \boxed{}$

$18 \div 9 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain glides through the storm clouds, then tosses a handful of flash powder.
2. The villain swings from the airship rigging, then escapes using a long rope dart.
3. The villain swings from the airship rigging, then hurls a crackling spark bomb.
4. The villain whistles a secret pirate tune, then fires a tangled net launcher.
5. The villain points to a hidden island map, then tosses a handful of flash powder.
6. The villain points to a hidden island map, then escapes using a long rope dart.
7. The villain whistles a secret pirate tune, then hurls a crackling spark bomb.
8. The villain swings from the airship rigging, then tosses a handful of flash powder.
9. The villain swings from the airship rigging, then drops a blinding smoke pellet.
10. The villain points to a hidden island map, then hurls a crackling spark bomb.
11. The villain whistles a secret pirate tune, then drops a blinding smoke pellet.
12. The villain points to a hidden island map, then fires a tangled net launcher.

Answer Key

The Whispering Winds Airship Heist

Culprit: Dash

wind-whistling · net-launchers · right-side compass holster · shaggy brown curls · scared of heights

Trail: Start 21 → Clue 1 18 → Clue 2 10 → Clue 3 8 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE VILLAIN DOES NOT USE SPARK BOMBS"

Round 370 to the nearest ten = 370 (T) · Round 52 to the nearest ten = 50 (M) · Round 286 to the nearest ten = 290 (U) · Round 285 to the nearest hundred = 300 (H) · Round 2,584 to the nearest thousand = 3000 (N) · Round 2,340 to the nearest hundred = 2300 (A) · Round 7,348 to the nearest thousand = 7000 (D) · Round 132 to the nearest ten = 130 (V) · Round 857 to the nearest hundred = 900 (S) · Round 248 to the nearest hundred = 200 (E) · Round 173 to the nearest ten = 170 (R) · Round 2,932 to the nearest hundred = 2900 (L) · Round 1,076 to the nearest hundred = 1100 (P) · Round 1,695 to the nearest hundred = 1700 (I) · Round 655 to the nearest hundred = 700 (B) · Round 3,749 to the nearest hundred = 3700 (K) · Round 230 to the nearest ten = 230 (O)

Clue 2 (Multi-step word problems): "RIGHT SIDE COMPASS HOLSTER"

The deckhand earned 8 grappling hooks in each of 6 rounds, plus 23 bonus grappling hooks. Then 14 grappling hooks were lost. How many grappling hooks are left? = 57 (R) · The deckhand collected 25 gold coins in the morning and 15 gold coins in the afternoon, then split them equally among 4 the Sky-Scouts. How many gold coins did each get? = 10 (D) · There were 195 gold coins in all. 1 the Sky-Scouts used 33 gold coins each. The other 6 the Sky-Scouts shared the rest equally. How many gold coins did each of the other the Sky-Scouts get? = 27 (I) · The deckhand collected 6 spyglasses in the morning and 50 spyglasses in the afternoon, then split them equally among 2 the Sky-Scouts. How many spyglasses did each get? = 28 (H) · The deckhand collected 142 spyglasses in the morning and 34 spyglasses in the afternoon, then split them equally among 4 the Sky-Scouts. How many spyglasses did each get? = 44 (S) · The deckhand filled 2 boxes with 2 spyglasses each, then found 38 more spyglasses. How many spyglasses are there in all? = 42 (T) · The deckhand earned 4 gold coins in each of 3 rounds, plus 14 bonus gold coins. Then 13 gold coins were lost. How many gold coins are left? = 13 (G)

Clue 3 (Addition): "THE TARGET IS AFRAID OF HEIGHTS"

$2112 + 1459 = 3571$ (T) · $4109 + 3892 = 8001$ (R) · $667 + 1368 = 2035$ (D) · $4947 + 3031 = 7978$ (I) · $1866 + 1305 = 3171$ (H) · $1634 + 3404 = 5038$ (A) · $2743 + 2208 = 4951$ (O) · $3412 + 6132 = 9544$ (E) · $1608 + 3148 = 4756$ (S) · $2047 + 3036 = 5083$ (G) · $2185 + 1004 = 3189$ (F)

Clue 4 (Subtraction): "WE FOUND SHAGGY BROWN CURLS"

$7504 - 3939 = 3565$ (W) · $10007 - 3513 = 6494$ (L) · $4877 - 3202 = 1675$ (O) · $7742 - 2298 = 5444$ (R) · $11194 - 4716 = 6478$ (F) · $4133 - 325 = 3808$ (U) · $11793 - 3887 = 7906$ (H) · $7070 - 3889 = 3181$ (Y) · $6114 - 3976 = 2138$ (S) · $11473 - 4279 = 7194$ (E) · $2307 - 862 = 1445$ (G) · $6113 - 3195 = 2918$ (D) · $1075 - 65 = 1010$ (N) · $6674 - 2950 = 3724$ (C) · $6508 - 2536 = 3972$ (A) · $5462 - 84 = 5378$ (B)

Clue 5 (Division facts (1-12)): surviving statement is box 4 → Dash

$99 \div 9 = 11$ · $11 \div 11 = 1$ · $45 \div 5 = 9$ · $80 \div 10 = 8$ · $72 \div 6 = 12$ · $63 \div 9 = 7$ · $20 \div 2 = 10$ · $18 \div 3 = 6$ · $25 \div 5 = 5$ · $24 \div 8 = 3$ · $18 \div 9 = 2$