



The Sky Pirate Heist

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

Detective: _____ Date: _____

The Golden Map has been stolen from the Grand Library of the clouds! Navigator Ned needs your help to track down the sneaky Sky Thief before they sail into the sunset.

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 Thief is _____

Possible suspects

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

NAME	AIRSHIP GADGET	SKY COMPANION	WATCH WRIST	HEADWEAR	SILLY FEAR
Dash	cloud net	storm owl	left wrist watch	goggles cap	windup chimes
Zane	cloud net	storm owl	right wrist watch	goggles cap	popping balloons
Skye	wind sail	gale glider	left wrist watch	goggles cap	windup chimes
Milo	grappling hook	gale glider	left wrist watch	leather helmet	soap bubbles
Kira	steam thruster	sky kitten	left wrist watch	goggles cap	popping balloons
Jax	wind sail	wind pup	left wrist watch	straw hat	soap bubbles
Barnaby	wind sail	cloud ferret	left wrist watch	straw hat	popping balloons
Leo	grappling hook	cloud ferret	left wrist watch	goggles cap	popping balloons
Hazel	wind sail	sky kitten	right wrist watch	goggles cap	popping balloons
Buster	wind sail	wind pup	right wrist watch	goggles cap	popping balloons
Flora	cloud net	wind pup	left wrist watch	leather helmet	soap bubbles
Sally	grappling hook	wind pup	right wrist watch	goggles cap	windup chimes
Amelia	propeller boot	cloud ferret	right wrist watch	goggles cap	popping balloons
Toby	propeller boot	gale glider	left wrist watch	goggles cap	popping balloons
Finn	steam thruster	gale glider	left wrist watch	leather helmet	popping balloons
Pippa	propeller boot	cloud ferret	left wrist watch	goggles cap	popping balloons
Flynn	steam thruster	wind pup	left wrist watch	leather helmet	windup chimes
Penny	steam thruster	storm owl	left wrist watch	goggles cap	soap bubbles
Otis	steam thruster	gale glider	right wrist watch	leather helmet	popping balloons
Luna	steam thruster	storm owl	right wrist watch	goggles cap	popping balloons
Gemma	propeller boot	storm owl	left wrist watch	leather helmet	windup chimes

CLUE 1

Multiplication facts (1-12)

To unlock the dock gates, we must count the rows of sky galleons parked in the bay.

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

T			T											T				
60	44	70	60	44	5	70	45	120	66	70	54	18	66	60	44	42	84	70
					T	T												
42	54	72	27	72	5	60	60	70	18									

$5 \times 12 = \square \rightarrow \boxed{\text{T}}$

$7 \times 10 = \square \rightarrow \boxed{\text{E}}$

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

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

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

$7 \times 12 = \square \rightarrow \boxed{\text{V}}$

$9 \times 8 = \square \rightarrow \boxed{\text{K}}$

$9 \times 3 = \square \rightarrow \boxed{\text{Y}}$

$11 \times 4 = \square \rightarrow \boxed{\text{H}}$

$7 \times 6 = \square \rightarrow \boxed{\text{A}}$

$6 \times 11 = \square \rightarrow \boxed{\text{O}}$

$9 \times 6 = \square \rightarrow \boxed{\text{S}}$

$5 \times 1 = \square \rightarrow \boxed{\text{I}}$

Scratch space:

CLUE 2

Rounding

The airship radar only displays target distances rounded to the nearest ten miles.

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

R						R								
400	600	4000	2000	5000	6000	400	600	30	5000	6000	50	5000	20	2000

R																
400	90	8000	900	90	20	5000	90	3000	5000	2000	90	900	600	4000	2000	5000

Round 449 to the nearest hundred → **R**

Round 23 to the nearest ten → **C**

Round 626 to the nearest hundred → **I**

Round 3,276 to the nearest thousand → **D**

Round 8,074 to the nearest thousand → **F**

Round 2,212 to the nearest thousand → **H**

Round 6,084 to the nearest thousand → **W**

Round 3,967 to the nearest thousand → **G**

Round 91 to the nearest ten → **E**

Round 54 to the nearest ten → **A**

Round 30 to the nearest ten → **S**

Round 4,735 to the nearest thousand → **T**

Round 915 to the nearest hundred → **L**

Scratch space:

CLUE 3 Addition

We need to add up all the reserve fuel canisters left in the storage locker.

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

A number line from 0 to 1000 with boxes for numbers. The numbers are: 730, 583, 269, 679, 817, 344, 949, 344, 357, 344, 679, 747, 817, 785, 506, 730, 583, 269. The number 730 is highlighted in a red box.

$$424 + 306 = \boxed{} \rightarrow \boxed{\text{T}}$$

$$355 + 228 = \boxed{} \rightarrow \boxed{\text{H}}$$

$319 + 187 = \boxed{} \rightarrow \boxed{\text{M}}$

$313 + 434 = \boxed{} \rightarrow \boxed{\text{F}}$

$$245 + 540 = \boxed{} \rightarrow \boxed{\text{O}}$$

$$301 + 516 = \boxed{} \rightarrow \boxed{\text{R}}$$

$$291 + 214 = \boxed{} \rightarrow \boxed{\text{P}}$$

$187 + 303 = \boxed{} \rightarrow \boxed{\mathbf{B}}$

$447 + 378 = \boxed{} \rightarrow \boxed{\text{G}}$

$128 + 216 = \boxed{} \rightarrow \boxed{\mathbf{A}}$

$$325 + 354 = \boxed{} \rightarrow \boxed{\text{Y}}$$

$$228 + 225 = \boxed{} \rightarrow \boxed{\text{L}}$$

$$253 + 574 = \boxed{} \rightarrow \boxed{\text{I}}$$

$589 + 360 = \boxed{} \rightarrow \boxed{\text{N}}$

$151 + 118 = \boxed{} \rightarrow \boxed{\text{E}}$

$$180 + 177 = \boxed{} \rightarrow \boxed{\mathbf{W}}$$

$$341 + 462 = \boxed{} \rightarrow \boxed{\text{S}}$$

Scratch space:

CLUE 4 Subtraction

The thief threw heavy gold cargo overboard to make their escape airship lighter.

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

W																	
568	652	693	136	169	589	661	499	317	136	317	317	819	652	103	461	499	615

103	240	244	499	615	136	589	661	652	461	332

$915 - 347 = \square \rightarrow \boxed{\text{W}}$

$429 - 326 = \square \rightarrow \boxed{\text{S}}$

$567 - 235 = \square \rightarrow \boxed{\text{K}}$

$982 - 163 = \square \rightarrow \boxed{\text{L}}$

$665 - 348 = \square \rightarrow \boxed{\text{G}}$

$788 - 173 = \square \rightarrow \boxed{\text{P}}$

$393 - 149 = \square \rightarrow \boxed{\text{R}}$

$409 - 240 = \square \rightarrow \boxed{\text{U}}$

$866 - 367 = \square \rightarrow \boxed{\text{A}}$

$433 - 297 = \square \rightarrow \boxed{\text{O}}$

$390 - 150 = \square \rightarrow \boxed{\text{T}}$

$932 - 343 = \square \rightarrow \boxed{\text{N}}$

$668 - 207 = \square \rightarrow \boxed{\text{C}}$

$892 - 231 = \square \rightarrow \boxed{\text{D}}$

$961 - 309 = \square \rightarrow \boxed{\text{E}}$

$1020 - 327 = \square \rightarrow \boxed{\text{F}}$

Scratch space:

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

The local islanders are split into equal search teams to scour the canyons.

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:

$8 \div 4 = \boxed{}$

$24 \div 6 = \boxed{}$

$12 \div 4 = \boxed{}$

$110 \div 11 = \boxed{}$

$3 \div 3 = \boxed{}$

$72 \div 8 = \boxed{}$

$18 \div 3 = \boxed{}$

$35 \div 5 = \boxed{}$

$24 \div 3 = \boxed{}$

$72 \div 6 = \boxed{}$

$11 \div 1 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain flies the cloud hopper, then scoops up the sky rubies.
2. The villain sails the windsiff, then snatches the floating map.
3. The villain rides the jetpack, then drops a trail of blue glitter.
4. The villain flies the cloud hopper, then grabs the golden telescope.
5. The villain steers the glider, then snatches the floating map.
6. The villain sails the windsiff, then swipes the magic compass.
7. The villain pilots the steam blimp, then swipes the magic compass.
8. The villain rides the jetpack, then scoops up the sky rubies.
9. The villain pilots the steam blimp, then scoops up the sky rubies.
10. The villain sails the windsiff, then drops a trail of blue glitter.
11. The villain pilots the steam blimp, then drops a trail of blue glitter.
12. The villain rides the jetpack, then grabs the golden telescope.

Answer Key

The Sky Pirate Heist

Culprit: Luna

steam thruster · storm owl · right wrist watch · goggles cap · popping balloons

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

Clue 1 (Multiplication facts (1-12)): "THE THIEF DOES NOT HAVE A SKY KITTEN"

$5 \times 12 = 60$ (T) · $7 \times 10 = 70$ (E) · $12 \times 10 = 120$ (D) · $9 \times 2 = 18$ (N) · $9 \times 5 = 45$ (F) · $7 \times 12 = 84$ (V) · $9 \times 8 = 72$ (K) · $9 \times 3 = 27$ (Y) · $11 \times 4 = 44$ (H) · $7 \times 6 = 42$ (A) · $6 \times 11 = 66$ (O) · $9 \times 6 = 54$ (S) · $5 \times 1 = 5$ (I)

Clue 2 (Rounding): "RIGHT WRIST WATCH REFLECTED THE LIGHT"

Round 449 to the nearest hundred = 400 (R) · Round 23 to the nearest ten = 20 (C) · Round 626 to the nearest hundred = 600 (I) · Round 3,276 to the nearest thousand = 3000 (D) · Round 8,074 to the nearest thousand = 8000 (F) · Round 2,212 to the nearest thousand = 2000 (H) · Round 6,084 to the nearest thousand = 6000 (W) · Round 3,967 to the nearest thousand = 4000 (G) · Round 91 to the nearest ten = 90 (E) · Round 54 to the nearest ten = 50 (A) · Round 30 to the nearest ten = 30 (S) · Round 4,735 to the nearest thousand = 5000 (T) · Round 915 to the nearest hundred = 900 (L)

Clue 3 (Addition): "THEY RAN AWAY FROM THE POPPING BALLOONS"

$424 + 306 = 730$ (T) · $355 + 228 = 583$ (H) · $319 + 187 = 506$ (M) · $313 + 434 = 747$ (F) · $245 + 540 = 785$ (O) · $301 + 516 = 817$ (R) · $291 + 214 = 505$ (P) · $187 + 303 = 490$ (B) · $447 + 378 = 825$ (G) · $128 + 216 = 344$ (A) · $325 + 354 = 679$ (Y) · $228 + 225 = 453$ (L) · $253 + 574 = 827$ (I) · $589 + 360 = 949$ (N) · $151 + 118 = 269$ (E) · $180 + 177 = 357$ (W) · $341 + 462 = 803$ (S)

Clue 4 (Subtraction): "WE FOUND A GOGGLES CAP STRAP ON DECK"

$915 - 347 = 568$ (W) · $429 - 326 = 103$ (S) · $567 - 235 = 332$ (K) · $982 - 163 = 819$ (L) · $665 - 348 = 317$ (G) · $788 - 173 = 615$ (P) · $393 - 149 = 244$ (R) · $409 - 240 = 169$ (U) · $866 - 367 = 499$ (A) · $433 - 297 = 136$ (O) · $390 - 150 = 240$ (T) · $932 - 343 = 589$ (N) · $668 - 207 = 461$ (C) · $892 - 231 = 661$ (D) · $961 - 309 = 652$ (E) · $1020 - 327 = 693$ (F)

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

$8 \div 4 = 2$ · $24 \div 6 = 4$ · $12 \div 4 = 3$ · $110 \div 11 = 10$ · $3 \div 3 = 1$ · $72 \div 8 = 9$ · $18 \div 3 = 6$ · $35 \div 5 = 7$ · $24 \div 3 = 8$ · $72 \div 6 = 12$ · $11 \div 1 = 11$