



The Emerald Jungle Chase

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

Detective: _____ **Date:** _____

A sneaky rogue explorer has stolen the ancient Emerald Idol from the Temple of the Golden Monkey! The Head Museum Curator needs your help. We must track down the thief before they escape the Emerald Jungle.

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 explorer is _____

Possible suspects

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

NAME	EXPLORER TOOL	SURVIVAL GEAR	DOMINANT HAND	HAIR COLOR	JUNGLE FEAR
Rocky	Compass Reading	Binocular Vision	Right Handed	Dusty Brown	Fear of Spiders
Jack	Lasso Swinging	Binocular Vision	Right Handed	Dusty Brown	Fear of Spiders
Lara	Wall Climbing	Boot Stomping	Right Handed	Sandy Blonde	Fear of Snakes
Max	Lasso Swinging	Flashlight Beaming	Left Handed	Dusty Brown	Fear of Spiders
Ben	Lasso Swinging	Flashlight Beaming	Right Handed	Dusty Brown	Fear of Snakes
Zuma	Torch Lighting	Boot Stomping	Left Handed	Dusty Brown	Fear of Heights
Toby	Torch Lighting	Boot Stomping	Right Handed	Dusty Brown	Fear of Heights
Zack	Map Decoding	Canteen Sipping	Right Handed	Sandy Blonde	Fear of Spiders
Chase	Lasso Swinging	Canteen Sipping	Right Handed	Sandy Blonde	Fear of Heights
Maya	Compass Reading	Backpack Packing	Left Handed	Jungle Black	Fear of Snakes
Marshall	Lasso Swinging	Canteen Sipping	Right Handed	Jungle Black	Fear of Spiders
Leo	Compass Reading	Backpack Packing	Right Handed	Dusty Brown	Fear of Spiders
Tracker	Wall Climbing	Backpack Packing	Right Handed	Dusty Brown	Fear of Spiders
Indiana	Torch Lighting	Backpack Packing	Left Handed	Dusty Brown	Fear of Spiders
Annie	Lasso Swinging	Binocular Vision	Left Handed	Jungle Black	Fear of Spiders
Sam	Torch Lighting	Boot Stomping	Right Handed	Dusty Brown	Fear of Spiders
Chloe	Map Decoding	Binocular Vision	Right Handed	Jungle Black	Fear of Snakes
Dora	Lasso Swinging	Boot Stomping	Left Handed	Dusty Brown	Fear of Snakes
Diego	Lasso Swinging	Boot Stomping	Right Handed	Sandy Blonde	Fear of Snakes
Rubble	Torch Lighting	Backpack Packing	Right Handed	Sandy Blonde	Fear of Heights
Ryder	Map Decoding	Backpack Packing	Right Handed	Sandy Blonde	Fear of Spiders

CLUE 1 Rounding

A digital GPS screen has water damage. It only shows distances rounded to the nearest ten meters. We can use this rounded number to trace the escape route!

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

T			T											T				
20	200	9000	20	200	3000	9000	40	60	800	9000	70	300	800	20	500	9000	400	900

								T	
200	9000	400	90	600	2000	800	800	20	70

Round 24 to the nearest ten → **T**

Round 59 to the nearest ten → **D**

Round 44 to the nearest ten → **F**

Round 649 to the nearest hundred → **Y**

Round 424 to the nearest hundred → **A**

Round 516 to the nearest hundred → **W**

Round 784 to the nearest hundred → **O**

Round 93 to the nearest ten → **V**

Round 8,985 to the nearest thousand → **E**

Round 281 to the nearest hundred → **N**

Round 68 to the nearest ten → **S**

Round 857 to the nearest hundred → **R**

Round 3,409 to the nearest thousand → **I**

Round 1,676 to the nearest thousand → **B**

Round 228 to the nearest hundred → **H**

Scratch space:

CLUE 2 Addition

We found two torn pages of the thief's notebook. Let's add up all the sketched gold coins on both pages to find out how far they got.

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

T										T									
565	946	627	479	247	627	238	624	979		565	946	914	627	316	275	479	627	423	

T										T				
565	946	627	914	932	932	914	693	946	565	946	238	247	423	

$227 + 338 = \square \rightarrow$ T	$563 + 369 = \square \rightarrow$ R	$221 + 202 = \square \rightarrow$ D
$185 + 90 = \square \rightarrow$ U	$125 + 122 = \square \rightarrow$ N	$149 + 89 = \square \rightarrow$ A
$141 + 175 = \square \rightarrow$ F	$366 + 580 = \square \rightarrow$ H	$601 + 313 = \square \rightarrow$ I
$363 + 261 = \square \rightarrow$ K	$244 + 235 = \square \rightarrow$ S	$217 + 476 = \square \rightarrow$ G
$686 + 293 = \square \rightarrow$ Y	$266 + 361 = \square \rightarrow$ E	

Scratch space:

CLUE 3
Subtraction

The ancient stone door had thirty traps, but some are already triggered. Let's subtract the safe ones to see how many dangerous traps remain ahead.

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

T																
453	353	530	101	567	616	616	668	567	133	852	668	133	668	464	668	599

885	852	423	166	579	692	567	731	530	852	579

$700 - 247 = \square \rightarrow \boxed{\text{T}}$

$1017 - 286 = \square \rightarrow \boxed{\text{D}}$

$762 - 163 = \square \rightarrow \boxed{\text{Y}}$

$918 - 33 = \square \rightarrow \boxed{\text{F}}$

$783 - 360 = \square \rightarrow \boxed{\text{O}}$

$1209 - 357 = \square \rightarrow \boxed{\text{R}}$

$346 - 245 = \square \rightarrow \boxed{\text{V}}$

$1088 - 396 = \square \rightarrow \boxed{\text{P}}$

$631 - 64 = \square \rightarrow \boxed{\text{I}}$

$438 - 85 = \square \rightarrow \boxed{\text{H}}$

$392 - 259 = \square \rightarrow \boxed{\text{N}}$

$251 - 85 = \square \rightarrow \boxed{\text{M}}$

$829 - 365 = \square \rightarrow \boxed{\text{W}}$

$1019 - 351 = \square \rightarrow \boxed{\text{A}}$

$917 - 338 = \square \rightarrow \boxed{\text{S}}$

$553 - 23 = \square \rightarrow \boxed{\text{E}}$

$729 - 113 = \square \rightarrow \boxed{\text{L}}$

Scratch space:

CLUE 4 Multiplication facts (1-12)

The temple floor is a grid of tiles with ancient symbols. Let's multiply the rows of monkey tiles by the columns to find the safe path.

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

A number line from 0 to 100 with various numbers marked. The numbers 5 and 95 are highlighted in orange and labeled 'W'. The numbers 110, 108, 27, 56, 40, 40, 27, 55, 4, 80, 32, 22, 108, 5, and 56 are marked with black dots. The numbers 36, 64, 49, 22, 108, 56, 4, 36, 2, 66, 64, 4, and 36 are marked with black dots.

$$5 \times 1 = \boxed{} \rightarrow \boxed{\mathbf{W}}$$

$8 \times 8 = \boxed{} \rightarrow \boxed{\text{A}}$

$7 \times 7 = \boxed{} \rightarrow \boxed{1}$

$5 \times 8 = \boxed{} \rightarrow \boxed{\text{D}}$

$9 \times 3 = \boxed{} \rightarrow \boxed{\text{U}}$

$8 \times 4 = \boxed{} \rightarrow \boxed{\mathbf{B}}$

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

$1 \times 2 = \boxed{} \rightarrow \boxed{\mathbf{E}}$

$2 \times 11 = \boxed{} \rightarrow \boxed{\text{R}}$

$11 \times 10 = \boxed{} \rightarrow \boxed{\text{F}}$

$11 \times 6 = \boxed{} \rightarrow \boxed{\text{P}}$

$8 \times 7 = \boxed{} \rightarrow \boxed{\text{N}}$

$$5 \times 11 = \boxed{} \rightarrow \boxed{\mathbf{S}}$$

$$12 \times 9 = \boxed{} \rightarrow \boxed{0}$$

$3 \times 12 = \boxed{} \rightarrow \boxed{\text{H}}$

$4 \times 1 = \boxed{} \rightarrow \boxed{\text{T}}$

Scratch space:

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

We found a bunch of explorer bananas left behind. If we share them equally among our rescue monkeys, the remaining bananas will point us to the thief.

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:

$15 \div 5 = \boxed{}$

$12 \div 2 = \boxed{}$

$45 \div 5 = \boxed{}$

$45 \div 9 = \boxed{}$

$55 \div 5 = \boxed{}$

$4 \div 2 = \boxed{}$

$48 \div 6 = \boxed{}$

$20 \div 5 = \boxed{}$

$77 \div 11 = \boxed{}$

$4 \div 4 = \boxed{}$

$12 \div 1 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain lit a bright torch to find the hidden tunnel, then sipped cool water from a dusty canteen.
2. The villain decoded the ancient stone map near the entrance, then shined a bright flashlight into the dark cavern.
3. The villain followed a secret compass heading through the mist, then stuffed the golden idol into a heavy backpack.
4. The villain lit a bright torch to find the hidden tunnel, then stuffed the golden idol into a heavy backpack.
5. The villain followed a secret compass heading through the mist, then sipped cool water from a dusty canteen.
6. The villain followed a secret compass heading through the mist, then spotted the hidden dart trap using binoculars.
7. The villain swung across the deep canyon using a lasso, then sipped cool water from a dusty canteen.
8. The villain lit a bright torch to find the hidden tunnel, then stomped loudly through the sticky jungle mud.
9. The villain swung across the deep canyon using a lasso, then spotted the hidden dart trap using binoculars.
10. The villain scaled the crumbling temple wall with climbing gear, then stuffed the golden idol into a heavy backpack.
11. The villain scaled the crumbling temple wall with climbing gear, then shined a bright flashlight into the dark cavern.
12. The villain scaled the crumbling temple wall with climbing gear, then spotted the hidden dart trap using binoculars.

Answer Key

The Emerald Jungle Chase

Culprit: Tracker

Wall Climbing · Backpack Packing · Right Handed · Dusty Brown · Fear of Spiders

Trail: Start 21 → Clue 1 15 → Clue 2 11 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE THIEF DOES NOT WEAR HEAVY BOOTS"

Round 24 to the nearest ten = 20 (T) · Round 59 to the nearest ten = 60 (D) · Round 44 to the nearest ten = 40 (F) · Round 649 to the nearest hundred = 600 (Y) · Round 424 to the nearest hundred = 400 (A) · Round 516 to the nearest hundred = 500 (W) · Round 784 to the nearest hundred = 800 (O) · Round 93 to the nearest ten = 90 (V) · Round 8,985 to the nearest thousand = 9000 (E) · Round 281 to the nearest hundred = 300 (N) · Round 68 to the nearest ten = 70 (S) · Round 857 to the nearest hundred = 900 (R) · Round 3,409 to the nearest thousand = 3000 (I) · Round 1,676 to the nearest thousand = 2000 (B) · Round 228 to the nearest hundred = 200 (H)

Clue 2 (Addition): "THE SNEAKY THIEF USED THEIR RIGHT HAND"

$227 + 338 = 565$ (T) · $563 + 369 = 932$ (R) · $221 + 202 = 423$ (D) · $185 + 90 = 275$ (U) · $125 + 122 = 247$ (N) · $149 + 89 = 238$ (A) · $141 + 175 = 316$ (F) · $366 + 580 = 946$ (H) · $601 + 313 = 914$ (I) · $363 + 261 = 624$ (K) · $244 + 235 = 479$ (S) · $217 + 476 = 693$ (G) · $686 + 293 = 979$ (Y) · $266 + 361 = 627$ (E)

Clue 3 (Subtraction): "THE VILLAIN RAN AWAY FROM SPIDERS"

$700 - 247 = 453$ (T) · $1017 - 286 = 731$ (D) · $762 - 163 = 599$ (Y) · $918 - 33 = 885$ (F) · $783 - 360 = 423$ (O) · $1209 - 357 = 852$ (R) · $346 - 245 = 101$ (V) · $1088 - 396 = 692$ (P) · $631 - 64 = 567$ (I) · $438 - 85 = 353$ (H) · $392 - 259 = 133$ (N) · $251 - 85 = 166$ (M) · $829 - 365 = 464$ (W) · $1019 - 351 = 668$ (A) · $917 - 338 = 579$ (S) · $553 - 23 = 530$ (E) · $729 - 113 = 616$ (L)

Clue 4 (Multiplication facts (1-12)): "WE FOUND DUSTY BROWN HAIR ON THE PATH"

$5 \times 1 = 5$ (W) · $8 \times 8 = 64$ (A) · $7 \times 7 = 49$ (I) · $5 \times 8 = 40$ (D) · $9 \times 3 = 27$ (U) · $8 \times 4 = 32$ (B) · $8 \times 10 = 80$ (Y) · $1 \times 2 = 2$ (E) · $2 \times 11 = 22$ (R) · $11 \times 10 = 110$ (F) · $11 \times 6 = 66$ (P) · $8 \times 7 = 56$ (N) · $5 \times 11 = 55$ (S) · $12 \times 9 = 108$ (O) · $3 \times 12 = 36$ (H) · $4 \times 1 = 4$ (T)

Clue 5 (Division facts (1-12)): surviving statement is box 10 → Tracker

$15 \div 5 = 3$ · $12 \div 2 = 6$ · $45 \div 5 = 9$ · $45 \div 9 = 5$ · $55 \div 5 = 11$ · $4 \div 2 = 2$ · $48 \div 6 = 8$ · $20 \div 5 = 4$ · $77 \div 11 = 7$ · $4 \div 4 = 1$ · $12 \div 1 = 12$