



The Whispering Jungle Mystery

Grade 4 math · Addition, Subtraction, Multiplication, Fractions of a number, Division · Reading level grades 3-4

Detective: _____ Date: _____

The golden compass of the ancient ruins has gone missing! Someone crept into the main tent last night and replaced it with a painted rock. We need to search the jungle camp, follow the clues, and find the real Artifact Thief before they escape down the river.

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 Artifact Thief is _____

Possible suspects

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

NAME	GEAR ITEM	ANIMAL COMPANION	BOOT STATUS	HAIR TYPE	GREATEST FEAR
Ruby	Spyglass	Parrot companion	Wears clean boots	Curly red hair	Dislikes hot sauce
Finn	Spyglass	Parrot companion	Wears clean boots	Bright yellow hair	Dislikes hot sauce
Bear	Grappling Hook	Owl spotter	Wears clean boots	Spiky brown hair	Dislikes hot sauce
Jacques	Mini Radio	Monkey helper	Wears clean boots	Bright yellow hair	Scared of spiders
Rex	Pocket Compass	Owl spotter	Wears clean boots	Bright yellow hair	Dislikes hot sauce
Gemma	Mini Radio	Owl spotter	Wears muddy boots	Spiky brown hair	Scared of spiders
Amelia	Head Lamp	Gecko tracker	Wears clean boots	Curly red hair	Scared of spiders
Leo	Head Lamp	Owl spotter	Wears muddy boots	Bright yellow hair	Dislikes hot sauce
Sacagawea	Pocket Compass	Monkey helper	Wears muddy boots	Curly red hair	Scared of spiders
Dora	Grappling Hook	Owl spotter	Wears clean boots	Bright yellow hair	Afraid of heights
Zoe	Head Lamp	Parrot companion	Wears clean boots	Bright yellow hair	Dislikes hot sauce
Cody	Spyglass	Owl spotter	Wears clean boots	Bright yellow hair	Dislikes hot sauce
Sam	Spyglass	Monkey helper	Wears muddy boots	Curly red hair	Afraid of heights
Nellie	Pocket Compass	Parrot companion	Wears clean boots	Spiky brown hair	Afraid of heights
Max	Spyglass	Ferret scout	Wears muddy boots	Bright yellow hair	Scared of spiders
Lara	Grappling Hook	Owl spotter	Wears muddy boots	Curly red hair	Afraid of heights
Toby	Head Lamp	Monkey helper	Wears clean boots	Spiky brown hair	Dislikes hot sauce
Marco	Spyglass	Monkey helper	Wears clean boots	Spiky brown hair	Scared of spiders
Penny	Spyglass	Gecko tracker	Wears clean boots	Bright yellow hair	Dislikes hot sauce
Mia	Mini Radio	Monkey helper	Wears muddy boots	Bright yellow hair	Dislikes hot sauce
Diego	Mini Radio	Ferret scout	Wears clean boots	Curly red hair	Dislikes hot sauce

CLUE 1 Addition

We found an abandoned explorer pack but some gear is missing. Let us add the canteen and rope supplies together.

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

T			T															
3717	6512	5409	3717	6512	3049	5409	3170	5076	7502	5409	7172	6678	7502	3717	6512	9476	2520	5409
								T										
9476	5119	5409	7151	2979	7502	3717	3070	9476	7151	2979	5409	3070						

$1227 + 2490 = \square \rightarrow \text{[T]}$	$3989 + 3162 = \square \rightarrow \text{[C]}$	$3928 + 3244 = \square \rightarrow \text{[S]}$
$4144 + 5332 = \square \rightarrow \text{[A]}$	$1863 + 1116 = \square \rightarrow \text{[K]}$	$2093 + 3316 = \square \rightarrow \text{[E]}$
$991 + 2058 = \square \rightarrow \text{[I]}$	$3191 + 1928 = \square \rightarrow \text{[G]}$	$1371 + 1699 = \square \rightarrow \text{[R]}$
$3305 + 1771 = \square \rightarrow \text{[D]}$	$1912 + 1258 = \square \rightarrow \text{[F]}$	$1159 + 1361 = \square \rightarrow \text{[V]}$
$4072 + 2440 = \square \rightarrow \text{[H]}$	$2741 + 3937 = \square \rightarrow \text{[N]}$	$4303 + 3199 = \square \rightarrow \text{[O]}$

Scratch space:

CLUE 2

Subtraction

A mischievous jungle monkey stole some of our trail snacks. We must subtract to see how many bananas are left.

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

T										
7429	1894	8360	8078	3119	5333	5333	1754	3119	7782	7523

			T					T										
4496	7993	7993	7429	5600	6131	3119	7782	7429	7523	7903	8360	6131	8360	2555	5333	8360	1754	7782

$12140 - 4711 = \square \rightarrow \boxed{\text{T}}$

$9509 - 1149 = \square \rightarrow \boxed{\text{E}}$

$12859 - 4956 = \square \rightarrow \boxed{\text{W}}$

$6184 - 4430 = \square \rightarrow \boxed{\text{A}}$

$6780 - 4886 = \square \rightarrow \boxed{\text{H}}$

$6755 - 2259 = \square \rightarrow \boxed{\text{F}}$

$4495 - 1376 = \square \rightarrow \boxed{\text{I}}$

$7415 - 4860 = \square \rightarrow \boxed{\text{C}}$

$10549 - 4949 = \square \rightarrow \boxed{\text{P}}$

$7288 - 1157 = \square \rightarrow \boxed{\text{R}}$

$12491 - 4968 = \square \rightarrow \boxed{\text{S}}$

$12667 - 4589 = \square \rightarrow \boxed{\text{V}}$

$11936 - 3943 = \square \rightarrow \boxed{\text{O}}$

$11083 - 3301 = \square \rightarrow \boxed{\text{N}}$

$6649 - 1316 = \square \rightarrow \boxed{\text{L}}$

Scratch space:

CLUE 3

Multiplication facts (1-12)

The ancient stone door has rows of gem buttons. We must multiply the rows to find the total and unlock the next path.

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

T			T												T		
60	15	25	60	15	66	25	7	20	25	7	63	121	25	96	60	15	25
		T															
15	16	60	121	5	40	121	5										

$6 \times 10 = \square \rightarrow \boxed{\text{T}}$

$3 \times 5 = \square \rightarrow \boxed{\text{H}}$

$7 \times 9 = \square \rightarrow \boxed{\text{U}}$

$8 \times 5 = \square \rightarrow \boxed{\text{L}}$

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

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

$7 \times 1 = \square \rightarrow \boxed{\text{F}}$

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

$8 \times 12 = \square \rightarrow \boxed{\text{D}}$

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

$10 \times 2 = \square \rightarrow \boxed{\text{R}}$

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

Scratch space:

CLUE 4
Fractions of a number

We found a basket of fresh jungle papayas. We need to calculate a fraction of them to share with our local guide.

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

A																	
17	32	30	5	31	13	38	12	9	20	20	28	16	13	17	5	30	

27	20	19	14	31	38	28	38	13	9	29	17	24					

$1/2 \text{ of } 34 = \square \rightarrow \boxed{\text{A}}$

$5/10 \text{ of } 24 = \square \rightarrow \boxed{\text{Y}}$

$1/2 \text{ of } 38 = \square \rightarrow \boxed{\text{U}}$

$6/8 \text{ of } 40 = \square \rightarrow \boxed{\text{R}}$

$1/2 \text{ of } 26 = \square \rightarrow \boxed{\text{H}}$

$4/8 \text{ of } 62 = \square \rightarrow \boxed{\text{G}}$

$2/4 \text{ of } 56 = \square \rightarrow \boxed{\text{O}}$

$8/10 \text{ of } 40 = \square \rightarrow \boxed{\text{B}}$

$4/6 \text{ of } 30 = \square \rightarrow \boxed{\text{L}}$

$4/8 \text{ of } 32 = \square \rightarrow \boxed{\text{W}}$

$3/10 \text{ of } 30 = \square \rightarrow \boxed{\text{E}}$

$5/10 \text{ of } 48 = \square \rightarrow \boxed{\text{P}}$

$3/6 \text{ of } 28 = \square \rightarrow \boxed{\text{N}}$

$3/10 \text{ of } 90 = \square \rightarrow \boxed{\text{C}}$

$5/10 \text{ of } 10 = \square \rightarrow \boxed{\text{I}}$

$4/6 \text{ of } 57 = \square \rightarrow \boxed{\text{T}}$

$1/6 \text{ of } 174 = \square \rightarrow \boxed{\text{M}}$

Scratch space:

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

Our team discovered a hidden chest of gold coins. We must divide them equally to keep the expedition fair.

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:

$110 \div 11 = \boxed{}$

$20 \div 10 = \boxed{}$

$7 \div 1 = \boxed{}$

$30 \div 10 = \boxed{}$

$36 \div 6 = \boxed{}$

$72 \div 8 = \boxed{}$

$96 \div 8 = \boxed{}$

$25 \div 5 = \boxed{}$

$96 \div 12 = \boxed{}$

$99 \div 9 = \boxed{}$

$7 \div 7 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain swung across the muddy river, then stole the glowing crystal.
2. The villain swung across the muddy river, then snatched the golden map.
3. The villain crossed the shaky rope bridge, then stole the glowing crystal.
4. The villain sneaked past the sleeping camp, then lifted the ruby idol.
5. The villain swung across the muddy river, then took the secret diary.
6. The villain dashed through the thick vines, then snatched the golden map.
7. The villain swung across the muddy river, then lifted the ruby idol.
8. The villain climbed up the tall stone wall, then lifted the ruby idol.
9. The villain dashed through the thick vines, then grabbed the ancient compass.
10. The villain crossed the shaky rope bridge, then snatched the golden map.
11. The villain dashed through the thick vines, then took the secret diary.
12. The villain sneaked past the sleeping camp, then grabbed the ancient compass.

Answer Key

The Whispering Jungle Mystery

Culprit: Rex

Pocket Compass · Owl spotter · Wears clean boots · Bright yellow hair · Dislikes hot sauce

Trail: Start 21 → Clue 1 19 → Clue 2 12 → Clue 3 8 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE THIEF DOES NOT HAVE A GECKO TRACKER"

$1227 + 2490 = 3717$ (T) · $3989 + 3162 = 7151$ (C) · $3928 + 3244 = 7172$ (S) · $4144 + 5332 = 9476$ (A) · $1863 + 1116 = 2979$ (K) · $2093 + 3316 = 5409$ (E) · $991 + 2058 = 3049$ (I) · $3191 + 1928 = 5119$ (G) · $1371 + 1699 = 3070$ (R) · $3305 + 1771 = 5076$ (D) · $1912 + 1258 = 3170$ (F) · $1159 + 1361 = 2520$ (V) · $4072 + 2440 = 6512$ (H) · $2741 + 3937 = 6678$ (N) · $4303 + 3199 = 7502$ (O)

Clue 2 (Subtraction): "THE VILLAINS FOOTPRINTS WERE CLEAN"

$12140 - 4711 = 7429$ (T) · $9509 - 1149 = 8360$ (E) · $12859 - 4956 = 7903$ (W) · $6184 - 4430 = 1754$ (A) · $6780 - 4886 = 1894$ (H) · $6755 - 2259 = 4496$ (F) · $4495 - 1376 = 3119$ (I) · $7415 - 4860 = 2555$ (C) · $10549 - 4949 = 5600$ (P) · $7288 - 1157 = 6131$ (R) · $12491 - 4968 = 7523$ (S) · $12667 - 4589 = 8078$ (V) · $11936 - 3943 = 7993$ (O) · $11083 - 3301 = 7782$ (N) · $6649 - 1316 = 5333$ (L)

Clue 3 (Multiplication facts (1-12)): "THE THIEF REFUSED THE HOT SALSA"

$6 \times 10 = 60$ (T) · $3 \times 5 = 15$ (H) · $7 \times 9 = 63$ (U) · $8 \times 5 = 40$ (L) · $5 \times 5 = 25$ (E) · $11 \times 11 = 121$ (S) · $7 \times 1 = 7$ (F) · $1 \times 5 = 5$ (A) · $8 \times 12 = 96$ (D) · $4 \times 4 = 16$ (O) · $10 \times 2 = 20$ (R) · $11 \times 6 = 66$ (I)

Clue 4 (Fractions of a number): "A BRIGHT YELLOW HAIR CLUNG TO THE MAP"

$1/2$ of 34 = 17 (A) · $5/10$ of 24 = 12 (Y) · $1/2$ of 38 = 19 (U) · $6/8$ of 40 = 30 (R) · $1/2$ of 26 = 13 (H) · $4/8$ of 62 = 31 (G) · $2/4$ of 56 = 28 (O) · $8/10$ of 40 = 32 (B) · $4/6$ of 30 = 20 (L) · $4/8$ of 32 = 16 (W) · $3/10$ of 30 = 9 (E) · $5/10$ of 48 = 24 (P) · $3/6$ of 28 = 14 (N) · $3/10$ of 90 = 27 (C) · $5/10$ of 10 = 5 (I) · $4/6$ of 57 = 38 (T) · $1/6$ of 174 = 29 (M)

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

$110 \div 11 = 10$ · $20 \div 10 = 2$ · $7 \div 1 = 7$ · $30 \div 10 = 3$ · $36 \div 6 = 6$ · $72 \div 8 = 9$ · $96 \div 8 = 12$ · $25 \div 5 = 5$ · $96 \div 12 = 8$ · $99 \div 9 = 11$ · $7 \div 7 = 1$