



The Temple of Mount Mango

Grade 5 math · Multiplication, Word problems, Fractions of a number, Order of operations, Division · Reading level grades 3-4

Detective: _____ Date: _____

A sneaky thief has run off with the golden monkey statue from the Mount Mango Temple! The Chief Explorer needs your help to track down the culprit before they escape the 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 Temple Raider is _____

Possible suspects

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

NAME	JUNGLE TOOL	ESCAPE VEHICLE	FLASHLIGHT GRIP	HAIR COLOR	JUNGLE PHOBIA
Wilder West	climbing rope	zip line	holds light with left hand	blonde hair	afraid of tiny frogs
Daring Danny	metal detector	zip line	holds light with right hand	brown hair	scared of bats
Safari Sam	spyglass	hot air balloon	holds light with right hand	brown hair	scared of bats
Forrest Green	machete	zip line	holds light with left hand	brown hair	afraid of tiny frogs
Explorer Emily	grappling hook	hot air balloon	holds light with left hand	blonde hair	scared of bats
River Stone	machete	jungle buggy	holds light with right hand	blonde hair	scared of bats
Marina Bay	metal detector	dirt bike	holds light with right hand	brown hair	scared of bats
Captain Cody	climbing rope	bamboo raft	holds light with right hand	black hair	afraid of tiny frogs
Indiana Bones	spyglass	zip line	holds light with left hand	brown hair	scared of bats
Scout Sally	spyglass	dirt bike	holds light with left hand	blonde hair	afraid of tiny frogs
Sierra Peak	spyglass	bamboo raft	holds light with left hand	black hair	afraid of tiny frogs
Bucky Barnes	climbing rope	jungle buggy	holds light with right hand	brown hair	scared of bats
Ranger Rick	metal detector	jungle buggy	holds light with left hand	black hair	afraid of tiny frogs
Rocky Ledge	climbing rope	dirt bike	holds light with right hand	brown hair	afraid of tiny frogs
Tracker Tom	spyglass	zip line	holds light with right hand	blonde hair	afraid of tiny frogs
Clover Patch	metal detector	hot air balloon	holds light with right hand	black hair	allergic to giant flowers
Dusty Trail	grappling hook	bamboo raft	holds light with right hand	black hair	scared of bats
Barnaby Brush	metal detector	bamboo raft	holds light with left hand	brown hair	scared of bats
Cliff Hanger	climbing rope	dirt bike	holds light with right hand	brown hair	scared of bats
Jungle Jane	metal detector	zip line	holds light with left hand	brown hair	afraid of tiny frogs
Hazel Moss	climbing rope	jungle buggy	holds light with left hand	black hair	afraid of tiny frogs

CLUE 1

Multiplication facts (1-12)

The Chief Explorer finds rows of ancient stone tiles blocking the path. We must multiply the rows of tiles to find the secret path forward.

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

T															T
66	32	90	33	121	18	20	90	33	20	18	20	5	12	66	
90	45	56	121	60	90	18	5	121	72	121	108	108	12	12	5

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

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

$9 \times 10 = \square \rightarrow \boxed{\text{E}}$

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

$7 \times 8 = \square \rightarrow \boxed{\text{C}}$

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

$6 \times 12 = \square \rightarrow \boxed{\text{B}}$

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

$4 \times 8 = \square \rightarrow \boxed{\text{H}}$

$11 \times 3 = \square \rightarrow \boxed{\text{R}}$

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

$9 \times 12 = \square \rightarrow \boxed{\text{L}}$

$3 \times 4 = \square \rightarrow \boxed{\text{O}}$

$5 \times 4 = \square \rightarrow \boxed{\text{D}}$

Scratch space:

CLUE 2

Word problems

We find a scrap of paper from the thief's notebook. It has a word problem about trail mix supplies that we need to solve to get our next lead.

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

A witness saw the villain was

H								H	T	W		T	H	R			H	T	H	A	N	
52	92	25	51	16	25	109	81	52		109		52		109	81	52		52			51	

Chief Explorer found 50 rope bridges yesterday and 2 more today. How many rope bridges in all?

Answer: → **H**

Chief Explorer found 25 map pieces yesterday and 56 more today. How many map pieces in all?

Answer: → **G**

Chief Explorer found 12 rope bridges yesterday and 80 more today. How many rope bridges in all?

Answer: → **O**

Chief Explorer found 2 map pieces yesterday and 14 more today. How many map pieces in all?

Answer: → **S**

There were 60 ancient coins. 9 were used up. How many ancient coins are left?

Answer: → **D**

Chief Explorer found 54 golden bananas yesterday and 55 more today. How many golden bananas in all?

Answer: → **I**

Chief Explorer found 10 ancient coins yesterday and 15 more today. How many ancient coins in all?

Answer: → **L**

Scratch space:

CLUE 3
Fractions of a number

A locked chest sits by the river. To open it, we must calculate a fraction of the total gems carved into the lid.

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

T																
21	31	37	29	15	18	40	37	4	28	37	17	30	31	37	16	4

		T							
35	4	21	7	11	37	30	35	29	

$1/8 \text{ of } 168 = \square \rightarrow \boxed{\text{T}}$

$2/4 \text{ of } 14 = \square \rightarrow \boxed{\text{F}}$

$1/2 \text{ of } 36 = \square \rightarrow \boxed{\text{C}}$

$5/10 \text{ of } 8 = \square \rightarrow \boxed{\text{A}}$

$2/8 \text{ of } 140 = \square \rightarrow \boxed{\text{B}}$

$1/4 \text{ of } 160 = \square \rightarrow \boxed{\text{R}}$

$1/2 \text{ of } 32 = \square \rightarrow \boxed{\text{N}}$

$3/6 \text{ of } 60 = \square \rightarrow \boxed{\text{W}}$

$5/10 \text{ of } 74 = \square \rightarrow \boxed{\text{E}}$

$2/8 \text{ of } 116 = \square \rightarrow \boxed{\text{Y}}$

$1/5 \text{ of } 75 = \square \rightarrow \boxed{\text{S}}$

$2/6 \text{ of } 84 = \square \rightarrow \boxed{\text{M}}$

$5/10 \text{ of } 62 = \square \rightarrow \boxed{\text{H}}$

$5/10 \text{ of } 34 = \square \rightarrow \boxed{\text{D}}$

$1/8 \text{ of } 88 = \square \rightarrow \boxed{\text{L}}$

Scratch space:

CLUE 4 Order of operations

An ancient stone dial has several math symbols. We must follow the strict rules of operations in the correct order to spin the dial safely.

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

W															
75	77	27	12	53	22	44	15	38	23	6	22	44	15	12	27
			W												
73	23	12	75	22	64	6	56	23	12	22	6	42	56	22	77

$$9 \times 9 - 6 = \boxed{} \rightarrow \boxed{W}$$

$$8 \times 5 - 2 = \boxed{} \rightarrow \boxed{T}$$

$$2 + 2 \times 2 = \boxed{} \rightarrow \boxed{A}$$

$$49 + 8 \times 3 = \boxed{} \rightarrow \boxed{B}$$

$$3 + 3 \times 8 = \boxed{} \rightarrow \boxed{F}$$

$$7 + 4 \times 4 = \boxed{} \rightarrow \boxed{R}$$

$$7 \times 5 - 13 = \boxed{} \rightarrow \boxed{N}$$

$$9 \times 10 - 26 = \boxed{} \rightarrow \boxed{H}$$

$$2 \times 12 - 12 = \boxed{} \rightarrow \boxed{O}$$

$$11 + 6 \times 7 = \boxed{} \rightarrow \boxed{U}$$

$$5 \times 11 - 11 = \boxed{} \rightarrow \boxed{D}$$

$$6 \times 11 - 10 = \boxed{} \rightarrow \boxed{I}$$

$$59 + 6 \times 3 = \boxed{} \rightarrow \boxed{E}$$

$$7 \times 8 - 14 = \boxed{} \rightarrow \boxed{V}$$

$$6 + 3 \times 3 = \boxed{} \rightarrow \boxed{S}$$

Scratch space:

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

We find a pack of supplies left behind by the thief. We must divide the heavy gold coins equally among our team to carry them back.

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:

$12 \div 1 = \boxed{}$

$88 \div 11 = \boxed{}$

$99 \div 11 = \boxed{}$

$32 \div 8 = \boxed{}$

$2 \div 2 = \boxed{}$

$28 \div 4 = \boxed{}$

$33 \div 11 = \boxed{}$

$15 \div 3 = \boxed{}$

$2 \div 1 = \boxed{}$

$88 \div 8 = \boxed{}$

$10 \div 1 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain climbs up a steep stone wall, then slides down a rusty zip line.
2. The villain chops through the thick brush, then floats away in a hot air balloon.
3. The villain chops through the thick brush, then speeds off on a noisy dirt bike.
4. The villain swings on a thick jungle vine, then drives off in a muddy jungle buggy.
5. The villain peers through a brass spyglass, then paddles away on a bamboo raft.
6. The villain sweeps the ground for traps, then speeds off on a noisy dirt bike.
7. The villain chops through the thick brush, then paddles away on a bamboo raft.
8. The villain climbs up a steep stone wall, then speeds off on a noisy dirt bike.
9. The villain sweeps the ground for traps, then slides down a rusty zip line.
10. The villain swings on a thick jungle vine, then paddles away on a bamboo raft.
11. The villain sweeps the ground for traps, then floats away in a hot air balloon.
12. The villain climbs up a steep stone wall, then drives off in a muddy jungle buggy.

Answer Key

The Temple of Mount Mango

Culprit: Marina Bay

metal detector · dirt bike · holds light with right hand · brown hair · scared of bats

Trail: Start 21 → Clue 1 18 → Clue 2 9 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Multiplication facts (1-12)): "THE RAIDER DID NOT ESCAPE IN A BALLOON"

$6 \times 11 = 66$ (T) · $5 \times 12 = 60$ (P) · $9 \times 10 = 90$ (E) · $2 \times 9 = 18$ (I) · $7 \times 8 = 56$ (C) · $11 \times 11 = 121$ (A) · $6 \times 12 = 72$ (B) · $5 \times 9 = 45$ (S) · $4 \times 8 = 32$ (H) · $11 \times 3 = 33$ (R) · $5 \times 1 = 5$ (N) · $9 \times 12 = 108$ (L) · $3 \times 4 = 12$ (O) · $5 \times 4 = 20$ (D)

Clue 2 (Word problems): "HOLDS LIGHT WITH RIGHT HAND"

Chief Explorer found 50 rope bridges yesterday and 2 more today. How many rope bridges in all? = 52 (H) · Chief Explorer found 25 map pieces yesterday and 56 more today. How many map pieces in all? = 81 (G) · Chief Explorer found 12 rope bridges yesterday and 80 more today. How many rope bridges in all? = 92 (O) · Chief Explorer found 2 map pieces yesterday and 14 more today. How many map pieces in all? = 16 (S) · There were 60 ancient coins. 9 were used up. How many ancient coins are left? = 51 (D) · Chief Explorer found 54 golden bananas yesterday and 55 more today. How many golden bananas in all? = 109 (I) · Chief Explorer found 10 ancient coins yesterday and 15 more today. How many ancient coins in all? = 25 (L)

Clue 3 (Fractions of a number): "THEY SCREAMED WHEN A BAT FLEW BY"

$1/8$ of 168 = 21 (T) · $2/4$ of 14 = 7 (F) · $1/2$ of 36 = 18 (C) · $5/10$ of 8 = 4 (A) · $2/8$ of 140 = 35 (B) · $1/4$ of 160 = 40 (R) · $1/2$ of 32 = 16 (N) · $3/6$ of 60 = 30 (W) · $5/10$ of 74 = 37 (E) · $2/8$ of 116 = 29 (Y) · $1/5$ of 75 = 15 (S) · $2/6$ of 84 = 28 (M) · $5/10$ of 62 = 31 (H) · $5/10$ of 34 = 17 (D) · $1/8$ of 88 = 11 (L)

Clue 4 (Order of operations): "WE FOUND STRANDS OF BROWN HAIR ON A VINE"

$9 \times 9 - 6 = 75$ (W) · $8 \times 5 - 2 = 38$ (T) · $2 + 2 \times 2 = 6$ (A) · $49 + 8 \times 3 = 73$ (B) · $3 + 3 \times 8 = 27$ (F) · $7 + 4 \times 4 = 23$ (R) · $7 \times 5 - 13 = 22$ (N) · $9 \times 10 - 26 = 64$ (H) · $2 \times 12 - 12 = 12$ (O) · $11 + 6 \times 7 = 53$ (U) · $5 \times 11 - 11 = 44$ (D) · $6 \times 11 - 10 = 56$ (I) · $59 + 6 \times 3 = 77$ (E) · $7 \times 8 - 14 = 42$ (V) · $6 + 3 \times 3 = 15$ (S)

Clue 5 (Division facts (1-12)): surviving statement is box 6 → Marina Bay

$12 \div 1 = 12$ · $88 \div 11 = 8$ · $99 \div 11 = 9$ · $32 \div 8 = 4$ · $2 \div 2 = 1$ · $28 \div 4 = 7$ · $33 \div 11 = 3$ · $15 \div 3 = 5$ · $2 \div 1 = 2$ · $88 \div 8 = 11$ · $10 \div 1 = 10$