



The Great Pencil Caper of Jungle School

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

Detective: _____ Date: _____

Someone snuck into the Canopy Art Studio and swiped the golden eraser! The suspect left behind messy doodles and jungle tracks. Match the clues to catch the mischievous monkey bandit.

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 art bandit is _____

Possible suspects

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

NAME	PENCIL TYPE	JUNGLE GEAR	EYEWEAR	FUR COLOR	DISTRACTION
Penny Pad	colored pencil	banana launcher	wears goggles	dark brown fur	squeaky toy
Pip Primate	hb lead pencil	coconuts mortar	wears visor	dark brown fur	bright flashlight
Professor Paws	colored pencil	treehouse glider	wears visor	dark brown fur	bright flashlight
Graffy Gorilla	mechanical pencil	banana launcher	wears visor	silver fur	loud whistle
Ellie Etch	carpenter pencil	treehouse glider	wears goggles	dark brown fur	bright flashlight
Buster Brush	colored pencil	coconuts mortar	wears visor	dark brown fur	bright flashlight
Dexter Draw	charcoal pencil	treehouse glider	wears visor	dark brown fur	bright flashlight
Gizmo Baboon	colored pencil	vine lasso	wears visor	dark brown fur	bright flashlight
Felix Canvas	carpenter pencil	vine lasso	wears visor	golden fur	bright flashlight
Momo Scribbles	hb lead pencil	banana launcher	wears goggles	golden fur	bright flashlight
Leonardo Lemur	mechanical pencil	banana launcher	wears goggles	dark brown fur	squeaky toy
Vincent Vole	colored pencil	vine lasso	wears visor	silver fur	bright flashlight
Frida Tail	carpenter pencil	banana launcher	wears goggles	dark brown fur	bright flashlight
Darwin Doodle	hb lead pencil	banana launcher	wears visor	dark brown fur	squeaky toy
Artie Capuchin	colored pencil	coconuts mortar	wears visor	golden fur	loud whistle
Sammy Eraser	charcoal pencil	jungle scooter	wears visor	silver fur	bright flashlight
Pablo Pencils	colored pencil	jungle scooter	wears visor	golden fur	bright flashlight
Gigi Graphite	charcoal pencil	vine lasso	wears visor	dark brown fur	bright flashlight
Coco Sketcher	carpenter pencil	banana launcher	wears goggles	silver fur	bright flashlight
Barnaby Beak	charcoal pencil	jungle scooter	wears visor	dark brown fur	squeaky toy
Cleo Crayon	charcoal pencil	treehouse glider	wears visor	silver fur	bright flashlight

CLUE 1 Addition

Inspector Chimp adds up all the stray sketchbooks found on the classroom floor to find the first clue.

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

T																T
214	935	661	785	429	725	725	423	429	864	682	862	661	220	864	862	214
				T												
962	220	661	423	214	379	661	661	935	862	962	220	661	930	725	429	682
																379

$138 + 76 = \boxed{} \rightarrow \boxed{T}$

$509 + 453 = \boxed{} \rightarrow \boxed{U}$

$569 + 366 = \boxed{} \rightarrow \boxed{H}$

$236 + 143 = \boxed{} \rightarrow \boxed{R}$

$524 + 340 = \boxed{} \rightarrow \boxed{N}$

$148 + 275 = \boxed{} \rightarrow \boxed{A}$

$363 + 362 = \boxed{} \rightarrow \boxed{L}$

$554 + 308 = \boxed{} \rightarrow \boxed{O}$

$356 + 574 = \boxed{} \rightarrow \boxed{G}$

$243 + 542 = \boxed{} \rightarrow \boxed{V}$

$406 + 255 = \boxed{} \rightarrow \boxed{E}$

$116 + 104 = \boxed{} \rightarrow \boxed{S}$

$238 + 444 = \boxed{} \rightarrow \boxed{D}$

$255 + 174 = \boxed{} \rightarrow \boxed{I}$

Scratch space:

CLUE 2

Subtraction

The detective counts the remaining erasers after subtracting the missing ones to uncover another hint.

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

T									T										
261	268	277	829	594	829	169	277	449	261	172	143	829	172	277	143	525	512	700	718

143	829	594	700	272	512	829	275	525

$453 - 192 = \square \rightarrow \boxed{\text{T}}$

$529 - 4 = \square \rightarrow \boxed{\text{R}}$

$612 - 18 = \square \rightarrow \boxed{\text{U}}$

$861 - 349 = \square \rightarrow \boxed{\text{I}}$

$674 - 225 = \square \rightarrow \boxed{\text{C}}$

$289 - 12 = \square \rightarrow \boxed{\text{E}}$

$407 - 139 = \square \rightarrow \boxed{\text{H}}$

$998 - 298 = \square \rightarrow \boxed{\text{N}}$

$455 - 180 = \square \rightarrow \boxed{\text{O}}$

$232 - 63 = \square \rightarrow \boxed{\text{P}}$

$264 - 121 = \square \rightarrow \boxed{\text{A}}$

$343 - 171 = \square \rightarrow \boxed{\text{W}}$

$727 - 9 = \square \rightarrow \boxed{\text{G}}$

$552 - 280 = \square \rightarrow \boxed{\text{V}}$

$1072 - 243 = \square \rightarrow \boxed{\text{S}}$

Scratch space:

CLUE 3

Rounding

A digital pencil counter on the wall rounds the nearby headcount to the nearest ten.

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

A									A							
90	6000	700	9000	80	3000	800	7000	50	90	900	3000	50	9000	80	3000	800

											A					
900	800	60	2000	2000	300	200	800	3000	300	600	9000	50	50	90	9000	70

Round 94 to the nearest ten → **A**

Round 46 to the nearest ten → **L**

Round 83 to the nearest ten → **G**

Round 5,998 to the nearest thousand → **B**

Round 74 to the nearest ten → **N**

Round 610 to the nearest hundred → **V**

Round 319 to the nearest hundred → **E**

Round 179 to the nearest hundred → **D**

Round 834 to the nearest hundred → **T**

Round 2,983 to the nearest thousand → **H**

Round 9,432 to the nearest thousand → **I**

Round 878 to the nearest hundred → **S**

Round 1,552 to the nearest thousand → **P**

Round 690 to the nearest hundred → **R**

Round 59 to the nearest ten → **O**

Round 6,780 to the nearest thousand → **F**

Scratch space:

CLUE 4

Multiplication facts (1-12)

The team inspects four equal rows of colored pencils lined up on the art table.

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

D																			
81	56	77	121	80	77	55	72	22	6	4	77	72	56	44	9	48	6	25	
									D										
22	48	56	77	25	20	48	81	48	44	121									

$9 \times 9 = \square \rightarrow \text{D}$

$11 \times 4 = \square \rightarrow \text{S}$

$2 \times 11 = \square \rightarrow \text{N}$

$8 \times 7 = \square \rightarrow \text{A}$

$5 \times 11 = \square \rightarrow \text{O}$

$6 \times 1 = \square \rightarrow \text{F}$

$7 \times 11 = \square \rightarrow \text{R}$

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

$9 \times 1 = \square \rightarrow \text{L}$

$8 \times 6 = \square \rightarrow \text{E}$

$11 \times 11 = \square \rightarrow \text{K}$

$2 \times 10 = \square \rightarrow \text{H}$

$1 \times 4 = \square \rightarrow \text{U}$

$12 \times 6 = \square \rightarrow \text{W}$

$10 \times 8 = \square \rightarrow \text{B}$

Scratch space:

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

Inspector Chimp divides a large box of jumbo markers equally among the art tables to spot the final lead.

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:

$2 \div 2 = \boxed{}$

$77 \div 7 = \boxed{}$

$72 \div 12 = \boxed{}$

$132 \div 11 = \boxed{}$

$15 \div 3 = \boxed{}$

$14 \div 7 = \boxed{}$

$21 \div 3 = \boxed{}$

$8 \div 1 = \boxed{}$

$30 \div 3 = \boxed{}$

$108 \div 12 = \boxed{}$

$36 \div 12 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain draws giant doodles, then fires coconut shells.
2. The villain scribbles blue lines, then launches banana peels.
3. The villain draws giant doodles, then zooms off on a glider.
4. The villain scribbles blue lines, then fires coconut shells.
5. The villain scribbles blue lines, then zooms off on a glider.
6. The villain scribbles blue lines, then swings on jungle vines.
7. The villain draws giant doodles, then swings on jungle vines.
8. The villain shades dark shadows, then zooms off on a glider.
9. The villain draws giant doodles, then zips around on a scooter.
10. The villain shades dark shadows, then zips around on a scooter.
11. The villain shades dark shadows, then swings on jungle vines.
12. The villain sketches secret maps, then fires coconut shells.

Answer Key

The Great Pencil Caper of Jungle School

Culprit: Buster Brush

colored pencil · coconuts mortar · wears visor · dark brown fur · bright flashlight

Trail: Start 21 → Clue 1 17 → Clue 2 12 → Clue 3 8 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE VILLAIN DOES NOT USE A TREEHOUSE GLIDER"

$138 + 76 = 214$ (T) · $509 + 453 = 962$ (U) · $569 + 366 = 935$ (H) · $236 + 143 = 379$ (R) · $524 + 340 = 864$ (N) · $148 + 275 = 423$ (A) · $363 + 362 = 725$ (L) · $554 + 308 = 862$ (O) · $356 + 574 = 930$ (G) · $243 + 542 = 785$ (V) · $406 + 255 = 661$ (E) · $116 + 104 = 220$ (S) · $238 + 444 = 682$ (D) · $255 + 174 = 429$ (I)

Clue 2 (Subtraction): "THE SUSPECT WAS WEARING A SUN VISOR"

$453 - 192 = 261$ (T) · $529 - 4 = 525$ (R) · $612 - 18 = 594$ (U) · $861 - 349 = 512$ (I) · $674 - 225 = 449$ (C) · $289 - 12 = 277$ (E) · $407 - 139 = 268$ (H) · $998 - 298 = 700$ (N) · $455 - 180 = 275$ (O) · $232 - 63 = 169$ (P) · $264 - 121 = 143$ (A) · $343 - 171 = 172$ (W) · $727 - 9 = 718$ (G) · $552 - 280 = 272$ (V) · $1072 - 243 = 829$ (S)

Clue 3 (Rounding): "A BRIGHT FLASHLIGHT STOPPED THE VILLAIN"

Round 94 to the nearest ten = 90 (A) · Round 46 to the nearest ten = 50 (L) · Round 83 to the nearest ten = 80 (G) · Round 5,998 to the nearest thousand = 6000 (B) · Round 74 to the nearest ten = 70 (N) · Round 610 to the nearest hundred = 600 (V) · Round 319 to the nearest hundred = 300 (E) · Round 179 to the nearest hundred = 200 (D) · Round 834 to the nearest hundred = 800 (T) · Round 2,983 to the nearest thousand = 3000 (H) · Round 9,432 to the nearest thousand = 9000 (I) · Round 878 to the nearest hundred = 900 (S) · Round 1,552 to the nearest thousand = 2000 (P) · Round 690 to the nearest hundred = 700 (R) · Round 59 to the nearest ten = 60 (O) · Round 6,780 to the nearest thousand = 7000 (F)

Clue 4 (Multiplication facts (1-12)): "DARK BROWN FUR WAS LEFT NEAR THE DESK"

$9 \times 9 = 81$ (D) · $11 \times 4 = 44$ (S) · $2 \times 11 = 22$ (N) · $8 \times 7 = 56$ (A) · $5 \times 11 = 55$ (O) · $6 \times 1 = 6$ (F) · $7 \times 11 = 77$ (R) · $5 \times 5 = 25$ (T) · $9 \times 1 = 9$ (L) · $8 \times 6 = 48$ (E) · $11 \times 11 = 121$ (K) · $2 \times 10 = 20$ (H) · $1 \times 4 = 4$ (U) · $12 \times 6 = 72$ (W) · $10 \times 8 = 80$ (B)

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

$2 \div 2 = 1$ · $77 \div 7 = 11$ · $72 \div 12 = 6$ · $132 \div 11 = 12$ · $15 \div 3 = 5$ · $14 \div 7 = 2$ · $21 \div 3 = 7$ · $8 \div 1 = 8$ · $30 \div 3 = 10$ · $108 \div 12 = 9$ · $36 \div 12 = 3$