



The Great Pantry Caper

Grade 3 math · Place value, Addition, Rounding, Skip counting, Division · Reading level grades 3-4

Detective: _____ Date: _____

Someone has raided the central pantry at Sunny Valley Wildlife Park and hidden the Golden Acorn Trophy! Chief Ranger Miller needs your help to find the mischievous critter who did it.

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 mischievous critter is _____

Possible suspects

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

NAME	SPECIAL SKILL	PARK GEAR	FAVORED PAW	FUR PATTERN	FAVORITE SNACK
Koko Koala	Loud Roaring	Feather Boa	Right-pawed	Golden Fur	Crunchy Carrots
Jasper Jackal	Fast Digging	Shiny Collar	Left-pawed	Spotted Fur	Squeaky Toys
Daisy Deer	High Jump	Shiny Collar	Right-pawed	Striped Fur	Peanut Butter
Gigi Giraffe	Fast Digging	Mud Boots	Right-pawed	Spotted Fur	Squeaky Toys
Ursula Urchin	Night Vision	Shiny Collar	Right-pawed	Spotted Fur	Peanut Butter
Nina Newt	High Jump	Shiny Collar	Right-pawed	Spotted Fur	Squeaky Toys
Penny Penguin	Fast Digging	Mud Boots	Right-pawed	Striped Fur	Squeaky Toys
Milo Monkey	Night Vision	Fancy Cape	Left-pawed	Spotted Fur	Squeaky Toys
Zoe Zebra	Fast Digging	Feather Boa	Right-pawed	Striped Fur	Peanut Butter
Quincy Quail	Loud Roaring	Shiny Collar	Left-pawed	Striped Fur	Squeaky Toys
Vicky Vixen	Fast Digging	Feather Boa	Right-pawed	Spotted Fur	Squeaky Toys
Coco Chimpanzee	High Jump	Squeaky Vest	Left-pawed	Spotted Fur	Squeaky Toys
Elmer Elephant	High Jump	Mud Boots	Left-pawed	Spotted Fur	Squeaky Toys
Bella Bunny	Super Sniffing	Fancy Cape	Left-pawed	Spotted Fur	Squeaky Toys
Iggy Iguana	Super Sniffing	Feather Boa	Left-pawed	Golden Fur	Crunchy Carrots
Leo Lion	Night Vision	Fancy Cape	Left-pawed	Spotted Fur	Crunchy Carrots
Wally Walrus	Night Vision	Squeaky Vest	Right-pawed	Golden Fur	Squeaky Toys
Sammy Squirrel	Fast Digging	Shiny Collar	Right-pawed	Spotted Fur	Crunchy Carrots
Felix Fox	Fast Digging	Fancy Cape	Right-pawed	Striped Fur	Peanut Butter
Barnaby Bear	High Jump	Mud Boots	Right-pawed	Spotted Fur	Crunchy Carrots
Harry Hedgehog	Night Vision	Mud Boots	Right-pawed	Spotted Fur	Peanut Butter

CLUE 1 Place value

To open the pantry locker, we need to read the digit values on the old lock screen. Solve this puzzle to crack the code and find the first clue!

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

T			T											T				
700	900	7000	700	900	500	7000	3000	400	80	7000	5000	800	80	700	50	7000	300	70
											T							
300	5000	100	20	7000	300	10	200	30	7000	5000	700							

What is the value of the 7 in 788? → **T**

What is the value of the 9 in 965? → **H**

What is the value of the 3 in 327? → **A**

What is the value of the 5 in 75,670? → **S**

What is the value of the 4 in 456? → **D**

What is the value of the 5 in 2,507? → **I**

What is the value of the 2 in 429? → **U**

What is the value of the 1 in 3,123? → **Q**

What is the value of the 3 in 3,548? → **F**

What is the value of the 7 in 173? → **R**

What is the value of the 2 in 250? → **Y**

What is the value of the 8 in 7,870? → **N**

What is the value of the 5 in 653? → **W**

What is the value of the 3 in 2,434? → **V**

What is the value of the 8 in 3,583? → **O**

What is the value of the 1 in 5,413? → **K**

What is the value of the 7 in 7,824? → **E**

Scratch space:

CLUE 2 Addition

We found piles of scattered acorns on the path. Add the numbers in each pile together to see how many the thief dropped!

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

T																		
233	748	586	747	457	747	531	586	308	233	816	255	682	531	531	586	816		
747	586	586	816	747	853	913	233	748	233	748	586	975	586	594	233	531	592	853

108 + 125 = → T	123 + 132 = → R	240 + 291 = → P
388 + 198 = → E	333 + 483 = → D	364 + 318 = → O
337 + 255 = → A	544 + 431 = → L	254 + 340 = → F
302 + 445 = → S	290 + 623 = → I	290 + 167 = → U
225 + 523 = → H	288 + 565 = → W	127 + 181 = → C

Scratch space:

CLUE 3

The heavy duty animal scale only displays weights rounded to the nearest ten. Round these numbers to find the correct weight of the evidence!

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

Round 92 to the nearest ten $\rightarrow$ **T**

Round 5,817 to the nearest thousand → **H**

Round 74 to the nearest ten $\rightarrow$ **K**

Round 79 to the nearest ten $\rightarrow$ **A**

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

Round 47 to the nearest ten $\rightarrow$ **E**

Round 3,099 to the nearest thousand → **Y**

Round 8,817 to the nearest thousand $\rightarrow$ **S**

Round 5,170 to the nearest thousand → **U**

Round 7,903 to the nearest thousand $\rightarrow$ **P**

Round 681 to the nearest hundred $\rightarrow$ **L**

Round 28 to the nearest ten $\rightarrow$ **W**

Round 56 to the nearest ten $\rightarrow$

Round 557 to the nearest hundred → **Q**

Round 811 to the nearest hundred $\rightarrow$

Scratch space:

CLUE 4 Skip counting

The clever thief hopped in patterns across the muddy field. Skip count along the footprints to track where they went next!

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

T																	
100	120	130	80	65	39	45	28	120	9	45	39	14	14	130	60	39	
25	27	130	28	130	6	8	9	25	6	100	100	130	60	8	90	65	

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, __, 110, 120 → **T**

Skip-count by 2s. Fill the blank: 2, 4, __, 8, 10 → **O**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, __, 100, 110 → **U**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, __, 130, 140 → **H**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, __, 50, 55 → **N**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, __, 42, 45 → **A**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, __, 70, 75 → **R**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, __, 30, 32 → **C**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, __, 16, 18 → **G**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, __, 30, 35 → **P**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, __, 30, 33 → **I**

Skip-count by 2s. Fill the blank: 2, 4, 6, __, 10, 12 → **F**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, __, 90, 100 → **B**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, __, 65, 70 → **D**

Skip-count by 3s. Fill the blank: 3, 6, __, 12, 15 → **S**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, __, 140, 150 → **E**

Scratch space:

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

The park helpers are sharing the berry treats equally among the hungry baby birds. Divide the total to see how many each bird gets!

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:

$14 \div 7 = \boxed{}$

$30 \div 3 = \boxed{}$

$7 \div 1 = \boxed{}$

$80 \div 10 = \boxed{}$

$88 \div 8 = \boxed{}$

$12 \div 3 = \boxed{}$

$36 \div 4 = \boxed{}$

$21 \div 7 = \boxed{}$

$132 \div 11 = \boxed{}$

$4 \div 4 = \boxed{}$

$36 \div 6 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain roars to distract the guards, then leaves behind a trail of feathers.
2. The villain digs a tunnel under the gate, then polishes their bright collar.
3. The villain leaps over the security fence, then swishes their cape in the wind.
4. The villain roars to distract the guards, then polishes their bright collar.
5. The villain sneaks past the cameras in the dark, then swishes their cape in the wind.
6. The villain leaps over the security fence, then squeaks loudly while running away.
7. The villain leaps over the security fence, then splashes mud all over the pathway.
8. The villain roars to distract the guards, then swishes their cape in the wind.
9. The villain sniffs out the secret key, then polishes their bright collar.
10. The villain sniffs out the secret key, then swishes their cape in the wind.
11. The villain sniffs out the secret key, then squeaks loudly while running away.
12. The villain roars to distract the guards, then squeaks loudly while running away.

Answer Key

The Great Pantry Caper

Culprit: Milo Monkey

Night Vision · Fancy Cape · Left-pawed · Spotted Fur · Squeaky Toys

Trail: Start 21 → Clue 1 19 → Clue 2 7 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Place value): "THE THIEF DOES NOT WEAR A SQUEAKY VEST"

What is the value of the 7 in 788? = 700 (T) · What is the value of the 9 in 965? = 900 (H) · What is the value of the 3 in 327? = 300 (A) · What is the value of the 5 in 75,670? = 5000 (S) · What is the value of the 4 in 456? = 400 (D) · What is the value of the 5 in 2,507? = 500 (I) · What is the value of the 2 in 429? = 20 (U) · What is the value of the 1 in 3,123? = 100 (Q) · What is the value of the 3 in 3,548? = 3000 (F) · What is the value of the 7 in 173? = 70 (R) · What is the value of the 2 in 250? = 200 (Y) · What is the value of the 8 in 7,870? = 800 (N) · What is the value of the 5 in 653? = 50 (W) · What is the value of the 3 in 2,434? = 30 (V) · What is the value of the 8 in 3,583? = 80 (O) · What is the value of the 1 in 5,413? = 10 (K) · What is the value of the 7 in 7,824? = 7000 (E)

Clue 2 (Addition): "THE SUSPECT DROPPED SEEDS WITH THE LEFT PAW"

$108 + 125 = 233$ (T) · $123 + 132 = 255$ (R) · $240 + 291 = 531$ (P) · $388 + 198 = 586$ (E) · $333 + 483 = 816$ (D) · $364 + 318 = 682$ (O) · $337 + 255 = 592$ (A) · $544 + 431 = 975$ (L) · $254 + 340 = 594$ (F) · $302 + 445 = 747$ (S) · $290 + 623 = 913$ (I) · $290 + 167 = 457$ (U) · $225 + 523 = 748$ (H) · $288 + 565 = 853$ (W) · $127 + 181 = 308$ (C)

Clue 3 (Rounding): "THE SQUEAK OF A TOY WILL STOP THIS FOE"

Round 92 to the nearest ten = 90 (T) · Round 5,817 to the nearest thousand = 6000 (H) · Round 74 to the nearest ten = 70 (K) · Round 79 to the nearest ten = 80 (A) · Round 449 to the nearest hundred = 400 (F) · Round 47 to the nearest ten = 50 (E) · Round 3,099 to the nearest thousand = 3000 (Y) · Round 8,817 to the nearest thousand = 9000 (S) · Round 5,170 to the nearest thousand = 5000 (U) · Round 7,903 to the nearest thousand = 8000 (P) · Round 681 to the nearest hundred = 700 (L) · Round 28 to the nearest ten = 30 (W) · Round 56 to the nearest ten = 60 (I) · Round 557 to the nearest hundred = 600 (Q) · Round 811 to the nearest hundred = 800 (O)

Clue 4 (Skip counting): "THE BRANCH SNAGGED A PIECE OF SPOTTED FUR"

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, __, 110, 120 = 100 (T) · Skip-count by 2s. Fill the blank: 2, 4, __, 8, 10 = 6 (O) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, __, 100, 110 = 90 (U) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, __, 130, 140 = 120 (H) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, __, 50, 55 = 45 (N) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, __, 42, 45 = 39 (A) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, __, 70, 75 = 65 (R) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, __, 30, 32 = 28 (C) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, __, 16, 18 = 14 (G) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, __, 30, 35 = 25 (P) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, __, 30, 33 = 27 (I) · Skip-count by 2s. Fill the blank: 2, 4, 6, __, 10, 12 = 8 (F) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, __, 90, 100 = 80 (B) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, __, 65, 70 = 60 (D) · Skip-count by 3s. Fill the blank: 3, 6, __, 12, 15 = 9 (S) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, __, 140, 150 = 130 (E)

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

$14 \div 7 = 2$ · $30 \div 3 = 10$ · $7 \div 1 = 7$ · $80 \div 10 = 8$ · $88 \div 8 = 11$ · $12 \div 3 = 4$ · $36 \div 4 = 9$ · $21 \div 7 = 3$ · $132 \div 11 = 12$ · $4 \div 4 = 1$ · $36 \div 6 = 6$