



The Golden Cranberry Mystery

Grade 1 math · Addition, Subtraction, Skip counting, Place value, Missing addends · Reading level grades 1-2

Detective: _____ Date: _____

The big Golden Cranberry Trophy is missing! The Great Thanksgiving Feast starts soon. We must find the sneaky pie bandit before dinner time!

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 pie bandit is _____

Possible suspects

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

NAME	ESCAPE MOVE	SPECIAL GEAR	BADGE LOCATION	FEATHER COLOR	FAVORITE TREAT
Acorn Andy	hay stack hide	corn blaster	left wing badge	bronze feathers	shiny corn kernels
Wattle Pete	gobble roar	turkey whistle	right wing badge	gold feathers	shiny corn kernels
Cluck Cindy	gravy glide	turkey whistle	right wing badge	gold feathers	shiny corn kernels
Plymouth Pam	hay stack hide	wheat lasso	right wing badge	bronze feathers	warm gravy smell
Giblet Gary	berry blast	turkey whistle	right wing badge	gold feathers	shiny corn kernels
Henny Harry	feather shield	wheat lasso	left wing badge	gold feathers	shiny corn kernels
Sprout Stan	gobble roar	corn blaster	left wing badge	white feathers	shiny corn kernels
Tom Gobbler	berry blast	wheat lasso	right wing badge	gold feathers	shiny corn kernels
Carver Carla	hay stack hide	cranberry boots	left wing badge	gold feathers	shiny corn kernels
Yammy Yvonne	berry blast	cranberry boots	right wing badge	bronze feathers	sweet pumpkin pie
Cranberry Cleo	feather shield	cranberry boots	right wing badge	bronze feathers	shiny corn kernels
Snood Sally	feather shield	cranberry boots	left wing badge	gold feathers	shiny corn kernels
Feather Flo	berry blast	cranberry boots	left wing badge	gold feathers	shiny corn kernels
Stuffing Sam	feather shield	corn blaster	right wing badge	gold feathers	sweet pumpkin pie
Myles Mindy	feather shield	corn blaster	right wing badge	white feathers	warm gravy smell
Roaster Rob	berry blast	cranberry boots	left wing badge	bronze feathers	shiny corn kernels
Butterball Ben	gobble roar	corn blaster	left wing badge	gold feathers	warm gravy smell
Wild Wendy	gravy glide	wheat lasso	right wing badge	gold feathers	shiny corn kernels
Gizzard Gus	gravy glide	cranberry boots	left wing badge	gold feathers	shiny corn kernels
Priscilla Pip	feather shield	turkey whistle	right wing badge	bronze feathers	warm gravy smell
Gravy Greg	gravy glide	corn blaster	left wing badge	bronze feathers	shiny corn kernels

CLUE 1 Addition

We need to count the fallen acorns on the trail. Let us add them up to find the next clue.

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

T 20	8	15	2	3	11	13	9	T 20	13	18	15	16	11	18	T 20	7	16	15
3	12	8	15	3	T 20	17	3	16	16	18								

7 + 13 = → T	10 + 6 = → S	2 + 1 = → A							
7 + 2 = → I	7 + 4 = → N	5 + 2 = → U	7 + 10 = → L						
1 + 1 = → B	5 + 3 = → H	4 + 8 = → W	5 + 13 = → O						
6 + 7 = → D	9 + 6 = → E								

Scratch space:

CLUE 2
Subtraction

A cheeky squirrel took some of our corn. Subtract the missing ones to see where the thief ran.

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

T								T								T
9	4	17	12	1	10	8	2	9	4	1	8	1	11	17	15	9

13	2	10	19	12	1	8	19	17

$11 - 2 = \square \rightarrow \boxed{\text{T}}$

$15 - 5 = \square \rightarrow \boxed{\text{N}}$

$16 - 1 = \square \rightarrow \boxed{\text{F}}$

$6 - 5 = \square \rightarrow \boxed{\text{A}}$

$13 - 5 = \square \rightarrow \boxed{\text{D}}$

$19 - 2 = \square \rightarrow \boxed{\text{E}}$

$20 - 8 = \square \rightarrow \boxed{\text{B}}$

$14 - 3 = \square \rightarrow \boxed{\text{L}}$

$14 - 1 = \square \rightarrow \boxed{\text{W}}$

$7 - 5 = \square \rightarrow \boxed{\text{I}}$

$13 - 9 = \square \rightarrow \boxed{\text{H}}$

$20 - 1 = \square \rightarrow \boxed{\text{G}}$

Scratch space:

CLUE 3

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

65 25 10 36 14 35 26 20 65 30 20 80 10 21 21 25 20 35 60

33 18 45 35 80 10 45 35 10 30 21

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

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

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, __, 36, 39 → **C**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, __, 12, 14 → **E**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, __, 20, 22 → **O**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, __, 39, 42 → **B**

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

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

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, , 24, 27 → **S**

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

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

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, , 40, 45 → **N**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, __, 28, 30 → **D**

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

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

Scratch space:

CLUE 4
Place value

We found a secret box with tens and ones of shiny beads. Look at the places to open the lock.

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

W																		
45	89	48	36	72	77	17	37	36	84	17	48	89	62	75	12	89	30	85
62	75	75	12	89	85	93	89	77	89									

What number has 4 tens and 5 ones? → **W**

What number has 1 ten and 2 ones? → **H**

What number has 8 tens and 4 ones? → **L**

What number has 1 ten and 7 ones? → **D**

What number has 9 tens and 3 ones? → **C**

What number has 3 tens and 7 ones? → **G**

What number has 8 tens and 9 ones? → **E**

What number has 3 tens and 6 ones? → **O**

What number has 3 tens and 0 ones? → **R**

What number has 7 tens and 7 ones? → **N**

What number has 6 tens and 2 ones? → **A**

What number has 8 tens and 5 ones? → **S**

What number has 7 tens and 5 ones? → **T**

What number has 4 tens and 8 ones? → **F**

What number has 7 tens and 2 ones? → **U**

Scratch space:

CLUE 5**Missing addends - the last clue**

There are some pies missing from the shelf. Find how many more we need to get the final clue.

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:

$4 + \underline{\quad} = 15$

$2 + \underline{\quad} = 12$

$9 + \underline{\quad} = 11$

$6 + \underline{\quad} = 13$

$6 + \underline{\quad} = 15$

$7 + \underline{\quad} = 19$

$1 + \underline{\quad} = 2$

$4 + \underline{\quad} = 9$

$2 + \underline{\quad} = 10$

$10 + \underline{\quad} = 14$

$7 + \underline{\quad} = 10$

Step 2 - cross out the sentence with each answer:

1. The villain pops up a large feather shield, then swings a long wheat lasso.
2. The villain dives into a deep hay stack hide, then stomps away in cranberry boots.
3. The villain starts a smooth gravy glide, then swings a long wheat lasso.
4. The villain shoots a messy berry blast, then calls for backup with a turkey whistle.
5. The villain lets out a huge gobble roar, then fires a giant corn blaster.
6. The villain pops up a large feather shield, then stomps away in cranberry boots.
7. The villain starts a smooth gravy glide, then calls for backup with a turkey whistle.
8. The villain shoots a messy berry blast, then swings a long wheat lasso.
9. The villain pops up a large feather shield, then fires a giant corn blaster.
10. The villain starts a smooth gravy glide, then stomps away in cranberry boots.
11. The villain shoots a messy berry blast, then stomps away in cranberry boots.
12. The villain lets out a huge gobble roar, then swings a long wheat lasso.

Answer Key

The Golden Cranberry Mystery

Culprit: Snood Sally

feather shield · cranberry boots · left wing badge · gold feathers · shiny corn kernels

Trail: Start 21 → Clue 1 17 → Clue 2 9 → Clue 3 8 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE BANDIT DOES NOT USE A WHEAT LASSO"

$7 + 13 = 20$ (T) · $10 + 6 = 16$ (S) · $2 + 1 = 3$ (A) · $7 + 2 = 9$ (I) · $7 + 4 = 11$ (N) · $5 + 2 = 7$ (U) · $7 + 10 = 17$ (L) · $1 + 1 = 2$ (B) · $5 + 3 = 8$ (H) · $4 + 8 = 12$ (W) · $5 + 13 = 18$ (O) · $6 + 7 = 13$ (D) · $9 + 6 = 15$ (E)

Clue 2 (Subtraction): "THE BANDIT HAD A LEFT WING BADGE"

$11 - 2 = 9$ (T) · $15 - 5 = 10$ (N) · $16 - 1 = 15$ (F) · $6 - 5 = 1$ (A) · $13 - 5 = 8$ (D) · $19 - 2 = 17$ (E) · $20 - 8 = 12$ (B) · $14 - 3 = 11$ (L) · $14 - 1 = 13$ (W) · $7 - 5 = 2$ (I) · $13 - 9 = 4$ (H) · $20 - 1 = 19$ (G)

Clue 3 (Skip counting): "THE BANDIT LIKES SHINY CORN KERNELS"

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

Clue 4 (Place value): "WE FOUND GOLD FEATHERS AT THE SCENE"

What number has 4 tens and 5 ones? = 45 (W) · What number has 1 ten and 2 ones? = 12 (H) · What number has 8 tens and 4 ones? = 84 (L) · What number has 1 ten and 7 ones? = 17 (D) · What number has 9 tens and 3 ones? = 93 (C) · What number has 3 tens and 7 ones? = 37 (G) · What number has 8 tens and 9 ones? = 89 (E) · What number has 3 tens and 6 ones? = 36 (O) · What number has 3 tens and 0 ones? = 30 (R) · What number has 7 tens and 7 ones? = 77 (N) · What number has 6 tens and 2 ones? = 62 (A) · What number has 8 tens and 5 ones? = 85 (S) · What number has 7 tens and 5 ones? = 75 (T) · What number has 4 tens and 8 ones? = 48 (F) · What number has 7 tens and 2 ones? = 72 (U)

Clue 5 (Missing addends): surviving statement is box 6 → Snood Sally

$4 + \underline{\quad} = 15 = 11$ · $2 + \underline{\quad} = 12 = 10$ · $9 + \underline{\quad} = 11 = 2$ · $6 + \underline{\quad} = 13 = 7$ · $6 + \underline{\quad} = 15 = 9$ · $7 + \underline{\quad} = 19 = 12$ · $1 + \underline{\quad} = 2 = 1$ · $4 + \underline{\quad} = 9 = 5$ · $2 + \underline{\quad} = 10 = 8$ · $10 + \underline{\quad} = 14 = 4$ · $7 + \underline{\quad} = 10 = 3$