



The Mystery of the Golden Chicken

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

Detective: _____ Date: _____

Oh no! Someone took Chickaletta's favorite golden chicken statue! Mayor Goodway is very worried. Ryder and the PAW Patrol need your help to find the sneaky pup who took 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 sneaky pup is _____

Possible suspects

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

NAME	PUP PACK TOOL	RESCUE BADGE	PAW PRINT	COLLAR COLOR	FAVORITE TREAT
Dwayne	grappling hook	anchor badge	left paw print	blue collar	crunchy pup treat
Sweetie	water cannon	flame badge	right paw print	green collar	sweet berry cookie
Chase	water cannon	wrench badge	right paw print	green collar	sweet berry cookie
Claw	water cannon	flame badge	left paw print	red collar	sweet berry cookie
Mayor Goodway	mega megaphone	propeller badge	right paw print	red collar	sweet berry cookie
Arrby	water cannon	anchor badge	left paw print	red collar	crunchy pup treat
Gasket	water cannon	star badge	right paw print	blue collar	crunchy pup treat
Skye	water cannon	anchor badge	right paw print	red collar	sweet berry cookie
Tracker	water cannon	propeller badge	right paw print	green collar	sweet berry cookie
Rocky	suction cup	flame badge	right paw print	red collar	chewy dog bone
Marshall	grappling hook	propeller badge	left paw print	red collar	chewy dog bone
Danny	suction cup	flame badge	right paw print	green collar	crunchy pup treat
Katie	water cannon	star badge	left paw print	green collar	sweet berry cookie
Chickaletta	mega megaphone	propeller badge	left paw print	blue collar	crunchy pup treat
Hubcap	suction cup	flame badge	left paw print	green collar	crunchy pup treat
Alex	water cannon	propeller badge	right paw print	red collar	sweet berry cookie
Mayor Humdinger	recycling claw	anchor badge	right paw print	green collar	sweet berry cookie
Francois	mega megaphone	anchor badge	right paw print	red collar	sweet berry cookie
Ryder	mega megaphone	wrench badge	left paw print	green collar	chewy dog bone
Everest	mega megaphone	propeller badge	right paw print	green collar	sweet berry cookie
Captain Turbot	recycling claw	propeller badge	right paw print	green collar	crunchy pup treat

CLUE 1 Addition

Ryder counts the pup badges in the drawer. He adds Marshall's badges and Chase's badges to find the total.

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

T																		T
8	4	10	6	11	10	3	19	13	9	2	9	12	20	10	6	11	20	8

				T														
4	3	14	10	8	4	10	3	11	17	4	20	18	5	3	12	15	10	

$6 + 2 = \square \rightarrow$ T	$1 + 2 = \square \rightarrow$ A	$8 + 7 = \square \rightarrow$ G	$3 + 3 = \square \rightarrow$ S
$1 + 1 = \square \rightarrow$ U	$5 + 7 = \square \rightarrow$ D	$6 + 8 = \square \rightarrow$ V	$2 + 2 = \square \rightarrow$ H
$6 + 14 = \square \rightarrow$ O	$6 + 12 = \square \rightarrow$ R	$11 + 6 = \square \rightarrow$ C	
$1 + 4 = \square \rightarrow$ B	$3 + 10 = \square \rightarrow$ Y	$3 + 6 = \square \rightarrow$ P	$7 + 3 = \square \rightarrow$ E
$10 + 9 = \square \rightarrow$ K	$4 + 7 = \square \rightarrow$ N		

Scratch space:

CLUE 2

Chase had a bag of tasty dog treats. Some fell out of his pack, and we need to subtract them to see how many are left.

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

[illegible]

$$20 - 6 = \boxed{} \rightarrow \boxed{\text{U}}$$

$16 - 3 = \boxed{} \rightarrow \boxed{\text{W}}$

$$18 - 1 = \boxed{} \rightarrow \boxed{\text{N}}$$

$$7 - 1 = \boxed{} \rightarrow \boxed{\text{L}}$$

$8 - 3 = \boxed{} \rightarrow \boxed{\text{C}}$

Scratch space:

CLUE 3 Skip counting

Rubble counts the muddy footprints on the path. He skip counts by twos to find where they lead.

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

T								T											
80	15	25	42	26	42	130	80	21	42	42	25	16	9	21	8	55			

				T															
130	12	25	25	80	90	25	8	8	70	6	21	21	140	39	25				

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

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

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, __, 45, 48 → **P**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, __, 18, 21 → **H**

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

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

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

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

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

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, __, 60, 65 → **A**

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

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, __, 150, 160 → **K**

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

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

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

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

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

Scratch space:

CLUE 4 Place value

Rocky fixes the broken screen on the pup pad. It shows the clue using tens and ones blocks.

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

W																		
37	20	55	13	46	44	40	65	87	12	20	20	44	31	13	29	29	65	12

65	76	76	28	20	50	31	20	44	20

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

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

What number has 3 tens and 1 one? → **C**

What number has 4 tens and 6 ones? → **U**

What number has 7 tens and 6 ones? → **T**

What number has 4 tens and 4 ones? → **N**

What number has 2 tens and 8 ones? → **H**

What number has 1 ten and 3 ones? → **O**

What number has 6 tens and 5 ones? → **A**

What number has 2 tens and 9 ones? → **L**

What number has 8 tens and 7 ones? → **G**

What number has 5 tens and 0 ones? → **S**

What number has 5 tens and 5 ones? → **F**

What number has 4 tens and 0 ones? → **D**

What number has 2 tens and 0 ones? → **E**

Scratch space:

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

Skye has some pup toys in her helicopter basket. She needs more to fill it up. Let's find the missing number.

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:

$7 + \underline{\quad} = 15$

$1 + \underline{\quad} = 4$

$10 + \underline{\quad} = 20$

$10 + \underline{\quad} = 12$

$5 + \underline{\quad} = 10$

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

$10 + \underline{\quad} = 19$

$6 + \underline{\quad} = 17$

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

$10 + \underline{\quad} = 11$

$3 + \underline{\quad} = 9$

Step 2 - cross out the sentence with each answer:

1. The villain swung away on a grappling hook, then tapped a silver wrench badge.
2. The villain grabbed the prize with a recycling claw, then spun a tiny propeller badge.
3. The villain blasted water from a cannon, then tapped a silver wrench badge.
4. The villain climbed the wall with a suction cup, then lit up a warm flame badge.
5. The villain swung away on a grappling hook, then spun a tiny propeller badge.
6. The villain grabbed the prize with a recycling claw, then shined a bright star badge.
7. The villain blasted water from a cannon, then spun a tiny propeller badge.
8. The villain blasted water from a cannon, then lit up a warm flame badge.
9. The villain shouted through a mega megaphone, then shined a bright star badge.
10. The villain shouted through a mega megaphone, then spun a tiny propeller badge.
11. The villain blasted water from a cannon, then dropped a blue anchor badge.
12. The villain swung away on a grappling hook, then shined a bright star badge.

Answer Key

The Mystery of the Golden Chicken

Culprit: Tracker

water cannon · propeller badge · right paw print · green collar · sweet berry cookie

Trail: Start 21 → Clue 1 16 → Clue 2 10 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE SNEAKY PUP DOES NOT HAVE THE ANCHOR BADGE"

$6 + 2 = 8$ (T) · $1 + 2 = 3$ (A) · $8 + 7 = 15$ (G) · $3 + 3 = 6$ (S) · $1 + 1 = 2$ (U) · $5 + 7 = 12$ (D) · $6 + 8 = 14$ (V) · $2 + 2 = 4$ (H) · $6 + 14 = 20$ (O) · $6 + 12 = 18$ (R) · $11 + 6 = 17$ (C) · $1 + 4 = 5$ (B) · $3 + 10 = 13$ (Y) · $3 + 6 = 9$ (P) · $7 + 3 = 10$ (E) · $10 + 9 = 19$ (K) · $4 + 7 = 11$ (N)

Clue 2 (Subtraction): "THE CLUES SHOW A RIGHT PAW PRINT"

$17 - 1 = 16$ (T) · $16 - 5 = 11$ (A) · $20 - 6 = 14$ (U) · $11 - 4 = 7$ (O) · $13 - 4 = 9$ (P) · $5 - 3 = 2$ (R) · $16 - 3 = 13$ (W) · $20 - 1 = 19$ (I) · $12 - 2 = 10$ (E) · $18 - 1 = 17$ (N) · $12 - 9 = 3$ (H) · $6 - 5 = 1$ (S) · $10 - 2 = 8$ (G) · $7 - 1 = 6$ (L) · $8 - 3 = 5$ (C)

Clue 3 (Skip counting): "THE PUP STOPPED FOR A SWEET BERRY COOKIE"

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, __, 90, 100 = 80 (T) · Skip-count by 2s. Fill the blank: 2, 4, 6, __, 10, 12 = 8 (R) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, __, 45, 48 = 42 (P) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, __, 18, 21 = 15 (H) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, __, 80, 90 = 70 (Y) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, __, 18, 20 = 16 (D) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, __, 14, 16 = 12 (W) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, __, 42, 45 = 39 (I) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, __, 140, 150 = 130 (S) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, __, 60, 65 = 55 (A) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, __, 30, 35 = 25 (E) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, __, 150, 160 = 140 (K) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, __, 100, 110 = 90 (B) · Skip-count by 2s. Fill the blank: 2, 4, __, 8, 10 = 6 (C) · Skip-count by 3s. Fill the blank: 3, 6, __, 12, 15 = 9 (F) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, __, 24, 27 = 21 (O) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, __, 28, 30 = 26 (U)

Clue 4 (Place value): "WE FOUND A GREEN COLLAR AT THE SCENE"

What number has 3 tens and 7 ones? = 37 (W) · What number has 1 ten and 2 ones? = 12 (R) · What number has 3 tens and 1 one? = 31 (C) · What number has 4 tens and 6 ones? = 46 (U) · What number has 7 tens and 6 ones? = 76 (T) · What number has 4 tens and 4 ones? = 44 (N) · What number has 2 tens and 8 ones? = 28 (H) · What number has 1 ten and 3 ones? = 13 (O) · What number has 6 tens and 5 ones? = 65 (A) · What number has 2 tens and 9 ones? = 29 (L) · What number has 8 tens and 7 ones? = 87 (G) · What number has 5 tens and 0 ones? = 50 (S) · What number has 5 tens and 5 ones? = 55 (F) · What number has 4 tens and 0 ones? = 40 (D) · What number has 2 tens and 0 ones? = 20 (E)

Clue 5 (Missing addends): surviving statement is box 7 → Tracker

$7 + \underline{\quad} = 15 = 8$ · $1 + \underline{\quad} = 4 = 3$ · $10 + \underline{\quad} = 20 = 10$ · $10 + \underline{\quad} = 12 = 2$ · $5 + \underline{\quad} = 10 = 5$ · $7 + \underline{\quad} = 19 = 12$ · $10 + \underline{\quad} = 19 = 9$ · $6 + \underline{\quad} = 17 = 11$ · $10 + \underline{\quad} = 14 = 4$ · $10 + \underline{\quad} = 11 = 1$ · $3 + \underline{\quad} = 9 = 6$