

The Great Turkey Mystery

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

Detective: _____ Date: _____

The Gobble Valley Feast is today! But oh no! Someone took the Golden Wishbone. The Feather Patrol needs your help. Look at the clues and find the sneaky turkey!

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 Feather Thief is _____

Possible suspects

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

NAME	FAVORITE SNACK	ESCAPE TRICK	FOOTPRINT	FEATHER COLOR	SCARED BY
Harvest	sweet potato	leaf camouflage	left foot first	brown feathers	cold water
Strut	corn bread	leaf camouflage	right foot first	red feathers	cold water
Autumn	apple cider	glider wings	right foot first	brown feathers	loud whistles
Gobbler	pumpkin pie	super gobble	left foot first	bronze feathers	loud whistles
Maple	pumpkin pie	super gobble	left foot first	brown feathers	loud whistles
Gravy	cranberry jelly	leaf camouflage	left foot first	red feathers	cold water
Chestnut	cranberry jelly	high hop	left foot first	bronze feathers	loud whistles
Acorn	sweet potato	high hop	left foot first	bronze feathers	cold water
Maize	cranberry jelly	glider wings	left foot first	bronze feathers	bright lights
Pumpkin	cranberry jelly	high hop	left foot first	brown feathers	loud whistles
Crisp	cranberry jelly	leaf camouflage	left foot first	brown feathers	loud whistles
Sprout	cranberry jelly	glider wings	right foot first	bronze feathers	loud whistles
Feathers	pumpkin pie	high hop	left foot first	red feathers	loud whistles
Kernel	sweet potato	super gobble	right foot first	red feathers	loud whistles
Pecan	sweet potato	high hop	right foot first	brown feathers	cold water
Baste	cranberry jelly	glider wings	left foot first	brown feathers	loud whistles
Cranberry	corn bread	fast waddle	left foot first	red feathers	bright lights
Gourd	pumpkin pie	glider wings	left foot first	red feathers	loud whistles
Stuffing	sweet potato	fast waddle	left foot first	brown feathers	loud whistles
Russet	apple cider	super gobble	right foot first	brown feathers	loud whistles
Giblet	sweet potato	glider wings	left foot first	red feathers	loud whistles

CLUE 1 Addition

We found two piles of lost feathers. Let us add them together to find the clue.

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

T			T											T			
12	7	3	12	7	19	3	4	2	5	3	13	16	5	12	8	13	3
18	11	19	2	3	20	9	19	16	18	13							

$6 + 6 = \square \rightarrow$ T	$2 + 1 = \square \rightarrow$ E	$7 + 12 = \square \rightarrow$ I	
$11 + 7 = \square \rightarrow$ G	$9 + 4 = \square \rightarrow$ S	$9 + 11 = \square \rightarrow$ R	
$3 + 8 = \square \rightarrow$ L	$2 + 5 = \square \rightarrow$ H	$10 + 6 = \square \rightarrow$ N	$1 + 3 = \square \rightarrow$ F
$1 + 4 = \square \rightarrow$ O	$2 + 6 = \square \rightarrow$ U	$1 + 1 = \square \rightarrow$ D	$4 + 5 = \square \rightarrow$ W

Scratch space:

CLUE 2 Subtraction

The thief took some sweet corn. Take away the eaten corn to read the next clue.

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

T			T							T			T			T	
16	10	15	16	3	18	9	11	4	4	16	18	3	16	1	5	16	10

T						T				T
16	10	15	14	15	17	16	17	19	19	16

$20 - 4 = \square \rightarrow$ T	$20 - 1 = \square \rightarrow$ O	$20 - 9 = \square \rightarrow$ K	$4 - 3 = \square \rightarrow$ W
$12 - 2 = \square \rightarrow$ H	$18 - 4 = \square \rightarrow$ L	$19 - 1 = \square \rightarrow$ A	
$20 - 3 = \square \rightarrow$ F	$12 - 7 = \square \rightarrow$ I	$9 - 5 = \square \rightarrow$ S	$16 - 7 = \square \rightarrow$ C
$9 - 6 = \square \rightarrow$ R	$19 - 4 = \square \rightarrow$ E		

Scratch space:

CLUE 3 Skip counting

We see turkey tracks in the mud. Let us count the toes by twos to follow the path.

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

A																			
8	60	27	35	22	28	55	130	26	110	60	140	33	8	22	140	110	55	140	
110	55	130	140	40	50	35	39												

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

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

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

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

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

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

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

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

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

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

Skip-count by 10s. Fill the blank: 10, 20, 30, __, 50, 60 → **F**

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

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

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

→

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

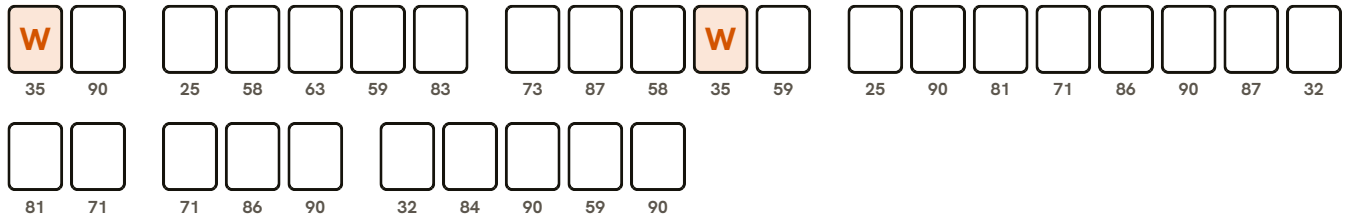
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Scratch space:

CLUE 4 Place value

The detective has bundles of ten hay straws and some extra ones. Count the tens and ones.

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



What number has 3 tens and 5 ones? → **W**

What number has 8 tens and 6 ones? → **H**

What number has 8 tens and 3 ones? → **D**

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

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

What number has 8 tens and 1 one? → **A**

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

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

What number has 2 tens and 5 ones? → **F**

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

What number has 5 tens and 9 ones? → **N**

What number has 3 tens and 2 ones? → **S**

What number has 7 tens and 1 one? → **T**

What number has 9 tens and 0 ones? → **E**

Scratch space:

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

There should be ten pies on the table but some are gone. Find how many are missing.

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:

$5 + \underline{\quad} = 6$

$4 + \underline{\quad} = 7$

$3 + \underline{\quad} = 15$

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

$8 + \underline{\quad} = 12$

$2 + \underline{\quad} = 7$

$6 + \underline{\quad} = 14$

$7 + \underline{\quad} = 13$

$2 + \underline{\quad} = 9$

$3 + \underline{\quad} = 13$

$7 + \underline{\quad} = 16$

Step 2 - cross out the sentence with each answer:

1. The villain splashed the sticky cranberry jelly, then hid in the leaf camouflage.
2. The villain snacked on the warm corn bread, then did a very fast waddle.
3. The villain splashed the sticky cranberry jelly, then escaped with a high hop.
4. The villain drank up all the sweet apple cider, then hid in the leaf camouflage.
5. The villain snacked on the warm corn bread, then escaped with a high hop.
6. The villain munched on the sweet potato, then hid in the leaf camouflage.
7. The villain snacked on the warm corn bread, then shouted a loud super gobble.
8. The villain snacked on the warm corn bread, then flew off with glider wings.
9. The villain munched on the sweet potato, then escaped with a high hop.
10. The villain drank up all the sweet apple cider, then flew off with glider wings.
11. The villain gobbled down the sweet pumpkin pie, then shouted a loud super gobble.
12. The villain munched on the sweet potato, then did a very fast waddle.

Answer Key

The Great Turkey Mystery

Culprit: Maple

pumpkin pie · super gobble · left foot first · brown feathers · loud whistles

Trail: Start 21 → Clue 1 15 → Clue 2 11 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE THIEF DOES NOT USE GLIDER WINGS"

$6 + 6 = 12$ (T) · $2 + 1 = 3$ (E) · $7 + 12 = 19$ (I) · $11 + 7 = 18$ (G) · $9 + 4 = 13$ (S) · $9 + 11 = 20$ (R) · $3 + 8 = 11$ (L) · $2 + 5 = 7$ (H) · $10 + 6 = 16$ (N) · $1 + 3 = 4$ (F) · $1 + 4 = 5$ (O) · $2 + 6 = 8$ (U) · $1 + 1 = 2$ (D) · $4 + 5 = 9$ (W)

Clue 2 (Subtraction): "THE TRACKS START WITH THE LEFT FOOT"

$20 - 4 = 16$ (T) · $20 - 1 = 19$ (O) · $20 - 9 = 11$ (K) · $4 - 3 = 1$ (W) · $12 - 2 = 10$ (H) · $18 - 4 = 14$ (L) · $19 - 1 = 18$ (A) · $20 - 3 = 17$ (F) · $12 - 7 = 5$ (I) · $9 - 5 = 4$ (S) · $16 - 7 = 9$ (C) · $9 - 6 = 3$ (R) · $19 - 4 = 15$ (E)

Clue 3 (Skip counting): "A LOUD WHISTLE MADE THE THIEF RUN"

Skip-count by 2s. Fill the blank: 2, 4, 6, __, 10, 12 = 8 (A) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, __, 24, 26 = 22 (D) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, __, 36, 39 = 33 (M) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, __, 60, 65 = 55 (H) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, __, 55, 60 = 50 (R) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, __, 150, 160 = 140 (E) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, __, 70, 80 = 60 (L) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, __, 120, 130 = 110 (T) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, __, 28, 30 = 26 (S) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, __, 40, 45 = 35 (U) · Skip-count by 10s. Fill the blank: 10, 20, 30, __, 50, 60 = 40 (F) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, __, 42, 45 = 39 (N) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, __, 30, 32 = 28 (W) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, __, 140, 150 = 130 (I) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, __, 30, 33 = 27 (O)

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

What number has 3 tens and 5 ones? = 35 (W) · What number has 8 tens and 6 ones? = 86 (H) · What number has 8 tens and 3 ones? = 83 (D) · What number has 6 tens and 3 ones? = 63 (U) · What number has 7 tens and 3 ones? = 73 (B) · What number has 8 tens and 1 one? = 81 (A) · What number has 8 tens and 4 ones? = 84 (C) · What number has 8 tens and 7 ones? = 87 (R) · What number has 2 tens and 5 ones? = 25 (F) · What number has 5 tens and 8 ones? = 58 (O) · What number has 5 tens and 9 ones? = 59 (N) · What number has 3 tens and 2 ones? = 32 (S) · What number has 7 tens and 1 one? = 71 (T) · What number has 9 tens and 0 ones? = 90 (E)

Clue 5 (Missing addends): surviving statement is box 11 → Maple

$5 + \underline{\quad} = 6 = 1$ · $4 + \underline{\quad} = 7 = 3$ · $3 + \underline{\quad} = 15 = 12$ · $9 + \underline{\quad} = 11 = 2$ · $8 + \underline{\quad} = 12 = 4$ · $2 + \underline{\quad} = 7 = 5$ · $6 + \underline{\quad} = 14 = 8$ · $7 + \underline{\quad} = 13 = 6$ · $2 + \underline{\quad} = 9 = 7$ · $3 + \underline{\quad} = 13 = 10$ · $7 + \underline{\quad} = 16 = 9$