The Great Golden Egg Mystery

Grade 1 math · Addition, Subtraction, Multiplication, Skip counting, Division · Reading level grades 1-2

Detective: _____ **Date:** _____

Someone snuck into the coop and took the prized golden egg! Inspect the clues around the nests to catch the sneaky culprit.

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 Egg Thief is _____

Possible suspects

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

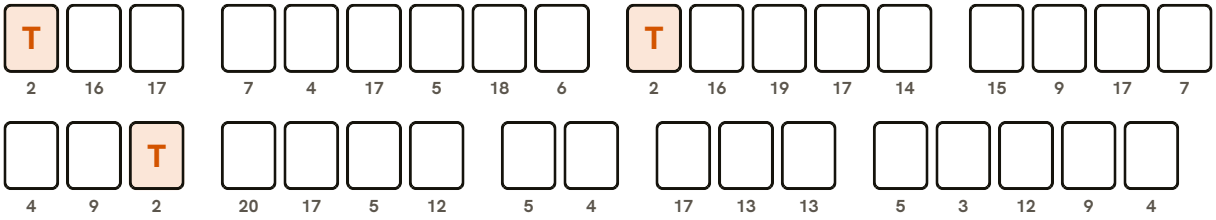
NAME	EGG GADGET	DISGUISE ITEM	WHISTLING HABIT	FEATHER COLOR	DISTRACTION
Hattie Hatch	Whisk Wand	Feather Cap	Whistles Loudly	Red Crest Feathers	Loud Alarm
Goldie Feather	Yolk Ray	Beak Mask	Hums Softly	Spotted Feathers	Squeaky Toy
Shelly Crack	Egg Launcher	Rooster Boots	Whistles Loudly	Red Crest Feathers	Squeaky Toy
Penny Peck	Nest Glider	Feather Cap	Hums Softly	Red Crest Feathers	Squeaky Toy
Chirpy Charlie	Nest Glider	Beak Mask	Hums Softly	Spotted Feathers	Squeaky Toy
Sunny Side	Yolk Ray	Egg Apron	Whistles Loudly	Bright Yellow Feathers	Shiny Corn
Egbert Shell	Egg Launcher	Rooster Boots	Whistles Loudly	Spotted Feathers	Shiny Corn
Gus Gizzard	Shell Shield	Rooster Boots	Whistles Loudly	Spotted Feathers	Squeaky Toy
Peep Parker	Yolk Ray	Rooster Boots	Hums Softly	Red Crest Feathers	Loud Alarm
Barnaby Beak	Egg Launcher	Barn Cape	Whistles Loudly	Red Crest Feathers	Squeaky Toy
Daisy Chick	Yolk Ray	Rooster Boots	Hums Softly	Spotted Feathers	Squeaky Toy
Robin Nest	Whisk Wand	Feather Cap	Hums Softly	Spotted Feathers	Shiny Corn
Cluck Norris	Egg Launcher	Beak Mask	Hums Softly	Spotted Feathers	Loud Alarm
Yolk O	Whisk Wand	Beak Mask	Whistles Loudly	Spotted Feathers	Shiny Corn
Tillie Comb	Yolk Ray	Rooster Boots	Whistles Loudly	Red Crest Feathers	Squeaky Toy
Sammy Scramble	Nest Glider	Feather Cap	Hums Softly	Bright Yellow Feathers	Squeaky Toy
Henny Penny	Whisk Wand	Egg Apron	Hums Softly	Spotted Feathers	Squeaky Toy
Pip Squeak	Yolk Ray	Barn Cape	Whistles Loudly	Bright Yellow Feathers	Squeaky Toy
Benedict Hatch	Nest Glider	Rooster Boots	Whistles Loudly	Red Crest Feathers	Shiny Corn
Bella Brood	Nest Glider	Rooster Boots	Hums Softly	Red Crest Feathers	Shiny Corn
Omelet Ollie	Whisk Wand	Barn Cape	Hums Softly	Spotted Feathers	Squeaky Toy

make your own at mathcrackers.com

CLUE 1 Addition

The detective adds up the spotted eggs in both nests to find the first code.

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



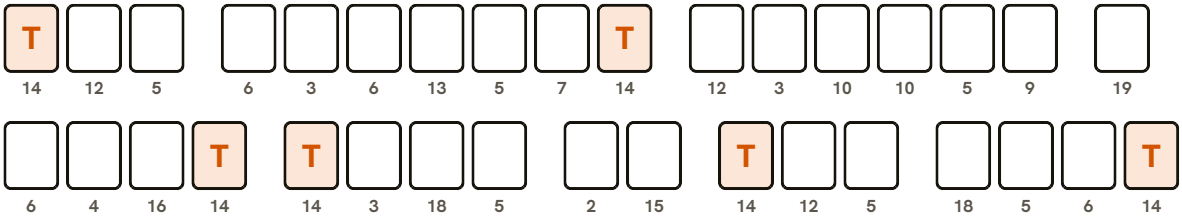
1 + 1 = ☐ → T	8 + 10 = ☐ → K	7 + 10 = ☐ → E	
2 + 1 = ☐ → P	4 + 2 = ☐ → Y	3 + 1 = ☐ → N	4 + 1 = ☐ → A
4 + 11 = ☐ → D	8 + 5 = ☐ → G	6 + 13 = ☐ → I	
6 + 6 = ☐ → R	6 + 10 = ☐ → H	3 + 6 = ☐ → O	6 + 8 = ☐ → F
3 + 4 = ☐ → S	13 + 7 = ☐ → W		

Scratch space:

CLUE 2 Subtraction

> The detective takes away cracked eggs from the total to unlock the second clue.

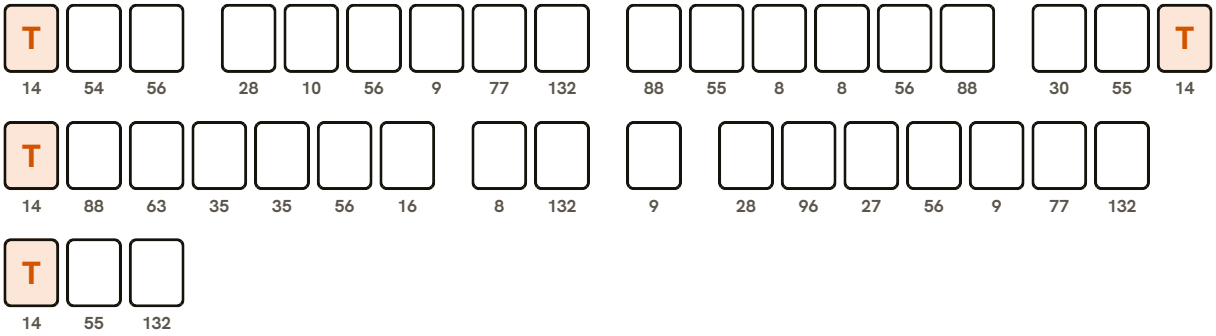
Solve each problem, then write its letter in every clue box that shows the same number.


T T T

CLUE 3 Multiplication facts (1-12)

> The detective counts rows of egg cartons in the pantry to reveal the third note.

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



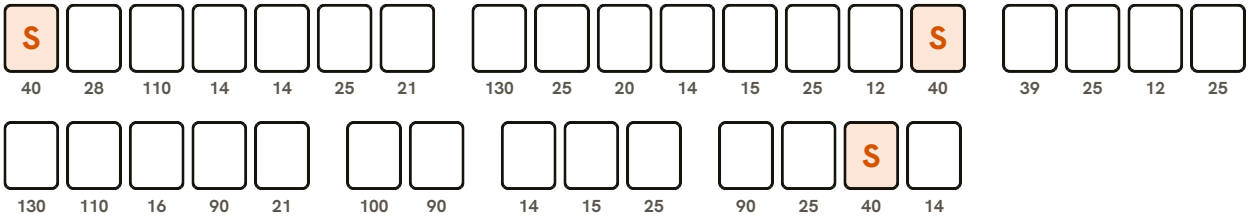
2 × 7 = ☐ → T	11 × 5 = ☐ → O	8 × 11 = ☐ → R	
4 × 2 = ☐ → B	6 × 9 = ☐ → H	12 × 11 = ☐ → Y	
7 × 8 = ☐ → E	4 × 7 = ☐ → S	7 × 11 = ☐ → K	9 × 1 = ☐ → A
5 × 6 = ☐ → G	5 × 7 = ☐ → P	2 × 5 = ☐ → N	9 × 3 = ☐ → U
9 × 7 = ☐ → I	8 × 2 = ☐ → D	8 × 12 = ☐ → Q	

Scratch space:

CLUE 4 Skip counting

The detective skip counts footprints by twos along the farm trail to find the fourth hint.

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



Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, ___, 45, 50 ☐ → S

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

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

Skip-count by 5s. Fill the blank: 5, 10, 15, ___, 25, 30 ☐ → A

Skip-count by 3s. Fill the blank: 3, 6, 9, ___, 15, 18 ☐ → R

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, ___, 18, 20 ☐ → U

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

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, 70, 80, 90, 100, 110, 120, ___, 140, 150 ☐ → F

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, ___, 110, 120 ☐ → I

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, ___, 100, 110 ☐ → N

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

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

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, ___, 16, 18 [ ] → T

Scratch space:

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

> The detective splits the remaining eggs equally into baskets to crack 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:

99 ÷ 9 = ☐	40 ÷ 5 = ☐	25 ÷ 5 = ☐	28 ÷ 4 = ☐	9 ÷ 1 = ☐
22 ÷ 11 = ☐	80 ÷ 8 = ☐	8 ÷ 2 = ☐	36 ÷ 6 = ☐	36 ÷ 12 = ☐
60 ÷ 5 = ☐				

Step 2 - cross out the sentence with each answer:

1. The villain zapped the coop lock with a yolk ray, then sneaked past the hens in a beak mask.
2. The villain blasted past the coop with an egg launcher, then sneaked past the hens in a beak mask.
3. The villain blasted past the coop with an egg launcher, then flew into the shadows in a barn cape.
4. The villain blasted past the coop with an egg launcher, then strutted down the path in rooster boots.
5. The villain stirred up a mess with a whisk wand, then flew into the shadows in a barn cape.
6. The villain blocked the barn door with a shell shield, then flew into the shadows in a barn cape.
7. The villain stirred up a mess with a whisk wand, then sneaked past the hens in a beak mask.
8. The villain zapped the coop lock with a yolk ray, then strutted down the path in rooster boots.
9. The villain stirred up a mess with a whisk wand, then strutted down the path in rooster boots.
10. The villain stirred up a mess with a whisk wand, then marched through straw in an egg apron.
11. The villain soared over the fences on a nest glider, then sneaked past the hens in a beak mask.
12. The villain zapped the coop lock with a yolk ray, then tiptoed away in a feather cap.

TEACHER / PARENT

Answer Key

The Great Golden Egg Mystery

Culprit: Goldie Feather

Yolk Ray · Beak Mask · Hums Softly · Spotted Feathers · Squeaky Toy

Trail: Start 21 → Clue 1 19 → Clue 2 10 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE SNEAKY THIEF DOES NOT WEAR AN EGG APRON"

1 + 1 = 2 (T) · 8 + 10 = 18 (K) · 7 + 10 = 17 (E) · 2 + 1 = 3 (P) · 4 + 2 = 6 (Y) · 3 + 1 = 4 (N) · 4 + 1 = 5 (A) · 4 + 11 = 15 (D) · 8 + 5 = 13 (G) · 6 + 13 = 19 (I) · 6 + 6 = 12 (R) · 6 + 10 = 16 (H) · 3 + 6 = 9 (O) · 6 + 8 = 14 (F) · 3 + 4 = 7 (S) · 13 + 7 = 20 (W)

Clue 2 (Subtraction): "THE SUSPECT HUMMED A SOFT TUNE BY THE NEST"

15 - 1 = 14 (T) · 19 - 1 = 18 (N) · 18 - 6 = 12 (H) · 15 - 5 = 10 (M) · 18 - 3 = 15 (Y) · 12 - 6 = 6 (S) · 5 - 2 = 3 (U) · 18 - 2 = 16 (F) · 6 - 4 = 2 (B) · 5 - 1 = 4 (O) · 20 - 1 = 19 (A) · 14 - 5 = 9 (D) · 12 - 7 = 5 (E) · 20 - 7 = 13 (P) · 13 - 6 = 7 (C)

Clue 3 (Multiplication facts (1-12)): "THE SNEAKY ROBBER GOT TRIPPED BY A SQUEAKY TOY"

2 × 7 = 14 (T) · 11 × 5 = 55 (O) · 8 × 11 = 88 (R) · 4 × 2 = 8 (B) · 6 × 9 = 54 (H) · 12 × 11 = 132 (Y) · 7 × 8 = 56 (E) · 4 × 7 = 28 (S) · 7 × 11 = 77 (K) · 9 × 1 = 9 (A) · 5 × 6 = 30 (G) · 5 × 7 = 35 (P) · 2 × 5 = 10 (N) · 9 × 3 = 27 (U) · 9 × 7 = 63 (I) · 8 × 2 = 16 (D) · 8 × 12 = 96 (Q)

Clue 4 (Skip counting): "SPOTTED FEATHERS WERE FOUND IN THE NEST"

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

Clue 5 (Division facts (1-12)): surviving statement is box 1 → Goldie Feather

99 ÷ 9 = 11 · 40 ÷ 5 = 8 · 25 ÷ 5 = 5 · 28 ÷ 4 = 7 · 9 ÷ 1 = 9 · 22 ÷ 11 = 2 · 80 ÷ 8 = 10 · 8 ÷ 2 = 4 · 36 ÷ 6 = 6 · 36 ÷ 12 = 3 · 60 ÷ 5 = 12