The Case of the Missing Mega Lollipop

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

Detective: _____ **Date:** _____

Someone snuck into the candy shop and snatched the Giant Rainbow Lollipop! Solve the clues to find out which cute cat 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 Lollipop Thief is _____

Possible suspects

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

NAME	SPECIAL MOVE	CANDY GEAR	DOMINANT PAW	FUR STYLE	TRICK WEAKNESS
Peanut	Yarn Roll	Bubblegum Shield	Left Paws	Silver Persian	Squeaky Mice
Ziggy	Yarn Roll	Bubblegum Shield	Right Paws	Silver Persian	Catnip Spray
Bella	Purr Blast	Glitter Dust Spray	Right Paws	Calico Fur	Warm Milk
Oreo	Whisk Flurry	Candy Wrapper Cloak	Left Paws	Silver Persian	Squeaky Mice
Tiger	Sugar Sprint	Marshmallow Armor	Left Paws	Silver Persian	Squeaky Mice
Cleo	Ribbon Leap	Glitter Dust Spray	Left Paws	Silver Persian	Squeaky Mice
Pumpkin	Whisk Flurry	Bubblegum Shield	Right Paws	Calico Fur	Catnip Spray
Mittens	Sugar Sprint	Sparkle Bell Chime	Left Paws	Silver Persian	Warm Milk
Simba	Yarn Roll	Bubblegum Shield	Right Paws	Calico Fur	Catnip Spray
Nala	Ribbon Leap	Marshmallow Armor	Right Paws	Silver Persian	Warm Milk
Milo	Purr Blast	Glitter Dust Spray	Left Paws	Calico Fur	Catnip Spray
Whiskers	Whisk Flurry	Glitter Dust Spray	Left Paws	Silver Persian	Squeaky Mice
Hazel	Sugar Sprint	Bubblegum Shield	Left Paws	Orange Tabby	Warm Milk
Shadow	Yarn Roll	Bubblegum Shield	Left Paws	Orange Tabby	Squeaky Mice
Felix	Whisk Flurry	Bubblegum Shield	Right Paws	Silver Persian	Warm Milk
Oliver	Purr Blast	Sparkle Bell Chime	Right Paws	Silver Persian	Squeaky Mice
Jasper	Sugar Sprint	Glitter Dust Spray	Left Paws	Calico Fur	Warm Milk
Gizmo	Purr Blast	Bubblegum Shield	Left Paws	Silver Persian	Squeaky Mice
Paws	Whisk Flurry	Candy Wrapper Cloak	Right Paws	Calico Fur	Catnip Spray
Socks	Sugar Sprint	Candy Wrapper Cloak	Left Paws	Silver Persian	Warm Milk
Smokey	Yarn Roll	Glitter Dust Spray	Right Paws	Calico Fur	Warm Milk

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CLUE 1 Place value

Baker Barnaby read the candy counter screen. The tens and ones digits showed a secret clue number.

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

T																	T		
69	38	82	11	17	79	79	21	17	53	71	55	82	87	53	55	69			
						T	T						T						
49	87	82	30	79	17	69	69	82	73	71	49	87	69	87	16	73	21	35	

What number has 6 tens and 9 ones? ☐ → T

What number has 3 tens and 5 ones? ☐ → Y

What number has 1 ten and 7 ones? ☐ → I

What number has 5 tens and 3 ones? ☐ → N

What number has 1 ten and 1 one? ☐ → V

What number has 3 tens and 8 ones? ☐ → H

What number has 8 tens and 7 ones? ☐ → S

What number has 2 tens and 1 one? ☐ → A

What number has 8 tens and 2 ones? ☐ → E

What number has 7 tens and 3 ones? ☐ → R

What number has 4 tens and 9 ones? ☐ → U

What number has 7 tens and 9 ones? ☐ → L

What number has 5 tens and 5 ones? ☐ → O

What number has 7 tens and 1 one? ☐ → D

What number has 1 ten and 6 ones? ☐ → P

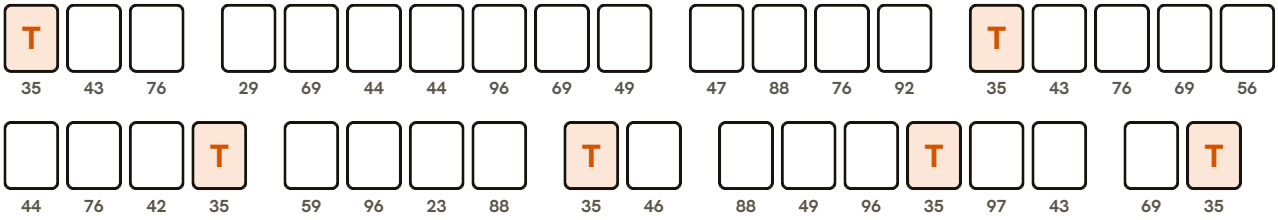
What number has 3 tens and 0 ones? ☐ → G

Scratch space:

CLUE 2 Addition

Detective Kitty added all the cherry and grape lollipops in the store to find a hint.

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



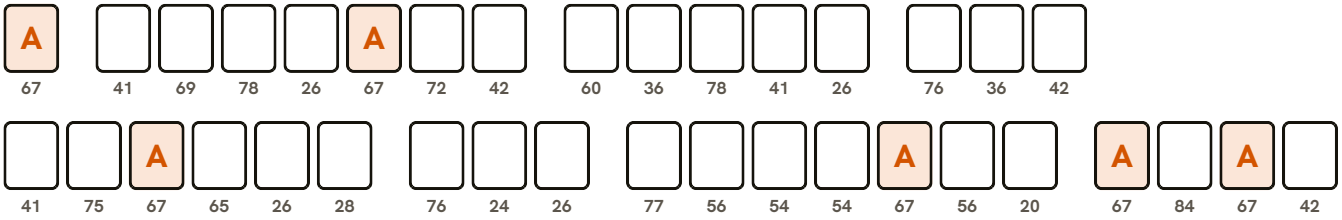
10 + 25 = ☐ → T	53 + 43 = ☐ → A	35 + 14 = ☐ → N
15 + 27 = ☐ → F	46 + 51 = ☐ → C	8 + 21 = ☐ → V
23 + 53 = ☐ → E	12 + 11 = ☐ → W	21 + 25 = ☐ → O
22 + 47 = ☐ → I	19 + 37 = ☐ → R	58 + 30 = ☐ → S
33 + 59 = ☐ → D	23 + 21 = ☐ → L	33 + 26 = ☐ → P
30 + 13 = ☐ → H	33 + 14 = ☐ → U	

Scratch space:

CLUE 3 Subtraction

The detective took away the broken lollipops from the box to see what was left.

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



79 - 12 = ☐ → A

43 - 15 = ☐ → D

54 - 30 = ☐ → H

33 - 7 = ☐ → E

93 - 9 = ☐ → W

41 - 5 = ☐ → O

105 - 33 = ☐ → K

105 - 27 = ☐ → U

56 - 14 = ☐ → Y

41 - 21 = ☐ → N

80 - 3 = ☐ → V

102 - 37 = ☐ → R

97 - 28 = ☐ → Q

103 - 27 = ☐ → T

58 - 17 = ☐ → S

83 - 8 = ☐ → C

60 - 6 = ☐ → L

63 - 3 = ☐ → M

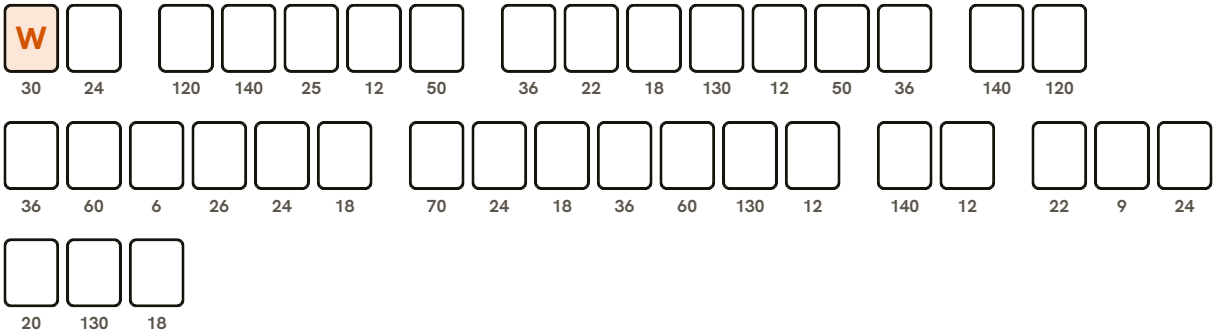
95 - 39 = ☐ → I

Scratch space:

CLUE 4 Skip counting

Detective Kitty counted the cat treats by twos along the dusty path.

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



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

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

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

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, ___, 21, 24 ☐ → R

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

Skip-count by 3s. Fill the blank: 3, 6, ___, 12, 15 ☐ → H

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

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

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, ___, 75, 80 ☐ → P

Skip-count by 2s. Fill the blank: 2, 4, ___, 8, 10 ☐ → L

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

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, ___, 55, 60 ☐ → D

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

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

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

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

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, ___, 27, 30 ☐ → **E**

Scratch space:

CLUE 5 Missing addends - the last clue

Baker Barnaby needs ten sweet treats in the jar. He counts what is missing to solve 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:

8 + ___ = 10 ☐	8 + ___ = 9 ☐	6 + ___ = 12 ☐	9 + ___ = 17 ☐
10 + ___ = 20 ☐	4 + ___ = 16 ☐	9 + ___ = 12 ☐	9 + ___ = 14 ☐
3 + ___ = 14 ☐	6 + ___ = 10 ☐	7 + ___ = 16 ☐	

Step 2 - cross out the sentence with each answer:

1. The villain swipes the air with a whisk flurry, then hides inside a candy wrapper cloak.
2. The villain rolls past on a giant yarn ball, then blocks the doorway with bubblegum shield.
3. The villain rolls past on a giant yarn ball, then rings a tiny sparkle bell chime.
4. The villain swipes the air with a whisk flurry, then blocks the doorway with bubblegum shield.
5. The villain zooms around with a sugar sprint, then rings a tiny sparkle bell chime.
6. The villain knocks jars down with a purr blast, then blocks the doorway with bubblegum shield.
7. The villain zooms around with a sugar sprint, then bounces away in marshmallow armor.
8. The villain knocks jars down with a purr blast, then rings a tiny sparkle bell chime.
9. The villain leaps high using a ribbon leap, then bounces away in marshmallow armor.
10. The villain knocks jars down with a purr blast, then hides inside a candy wrapper cloak.
11. The villain knocks jars down with a purr blast, then covers the floor with glitter dust spray.
12. The villain rolls past on a giant yarn ball, then covers the floor with glitter dust spray.

TEACHER / PARENT

Answer Key

The Case of the Missing Mega Lollipop

Culprit: Tiger

Sugar Sprint · Marshmallow Armor · Left Paws · Silver Persian · Squeaky Mice

Trail: Start 21 → Clue 1 15 → Clue 2 8 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Place value): "THE VILLAIN DOES NOT USE GLITTER DUST SPRAY"

What number has 6 tens and 9 ones? = 69 (T) · What number has 3 tens and 5 ones? = 35 (Y) · What number has 1 ten and 7 ones? = 17 (I) · What number has 5 tens and 3 ones? = 53 (N) · What number has 1 ten and 1 one? = 11 (V) · What number has 3 tens and 8 ones? = 38 (H) · What number has 8 tens and 7 ones? = 87 (S) · What number has 2 tens and 1 one? = 21 (A) · What number has 8 tens and 2 ones? = 82 (E) · What number has 7 tens and 3 ones? = 73 (R) · What number has 4 tens and 9 ones? = 49 (U) · What number has 7 tens and 9 ones? = 79 (L) · What number has 5 tens and 5 ones? = 55 (O) · What number has 7 tens and 1 one? = 71 (D) · What number has 1 ten and 6 ones? = 16 (P) · What number has 3 tens and 0 ones? = 30 (G)

Clue 2 (Addition): "THE VILLAIN USED THEIR LEFT PAWS TO SNATCH IT"

10 + 25 = 35 (T) · 53 + 43 = 96 (A) · 35 + 14 = 49 (N) · 15 + 27 = 42 (F) · 46 + 51 = 97 (C) · 8 + 21 = 29 (V) · 23 + 53 = 76 (E) · 12 + 11 = 23 (W) · 21 + 25 = 46 (O) · 22 + 47 = 69 (I) · 19 + 37 = 56 (R) · 58 + 30 = 88 (S) · 33 + 59 = 92 (D) · 23 + 21 = 44 (L) · 33 + 26 = 59 (P) · 30 + 13 = 43 (H) · 33 + 14 = 47 (U)

Clue 3 (Subtraction): "A SQUEAKY MOUSE TOY SCARED THE VILLAIN AWAY"

79 - 12 = 67 (A) · 43 - 15 = 28 (D) · 54 - 30 = 24 (H) · 33 - 7 = 26 (E) · 93 - 9 = 84 (W) · 41 - 5 = 36 (O) · 105 - 33 = 72 (K) · 105 - 27 = 78 (U) · 56 - 14 = 42 (Y) · 41 - 21 = 20 (N) · 80 - 3 = 77 (V) · 102 - 37 = 65 (R) · 97 - 28 = 69 (Q) · 103 - 27 = 76 (T) · 58 - 17 = 41 (S) · 83 - 8 = 75 (C) · 60 - 6 = 54 (L) · 63 - 3 = 60 (M) · 95 - 39 = 56 (I)

Clue 4 (Skip counting): "WE FOUND STRANDS OF SILVER PERSIAN ON THE JAR"

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, ___, 33, 36 = 30 (W) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, ___, 24, 26 = 22 (T) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, ___, 39, 42 = 36 (S) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, ___, 21, 24 = 18 (R) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, ___, 130, 140 = 120 (F) · Skip-count by 3s. Fill the blank: 3, 6, ___, 12, 15 = 9 (H) · Skip-count by 3s. Fill the blank: 3, 6, 9, ___, 15, 18 = 12 (N) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, ___, 65, 70 = 60 (I) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, ___, 75, 80 = 70 (P) · Skip-count by 2s. Fill the blank: 2, 4, ___, 8, 10 = 6 (L) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, ___, 28, 30 = 26 (V) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, ___, 55, 60 = 50 (D) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, ___, 140, 150 = 130 (A) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, ___, 30, 35 = 25 (U) · Skip-count by 5s. Fill the blank: 5, 10, 15, ___, 25, 30 = 20 (J) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, ___, 150, 160 = 140 (O) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, ___, 27, 30 = 24 (E)

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

8 + ___ = 10 = 2 · 8 + ___ = 9 = 1 · 6 + ___ = 12 = 6 · 9 + ___ = 17 = 8 · 10 + ___ = 20 = 10 · 4 + ___ = 16 = 12 · 9 + ___ = 12 = 3 · 9 + ___ = 14 = 5 · 3 + ___ = 14 = 11 · 6 + ___ = 10 = 4 · 7 + ___ = 16 = 9