The Great Cake Caper

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

Detective: _____ **Date:** _____

Someone snuck into the bakery and splattered whipped cream all over the grand birthday cake! Chef Kitten needs your help finding out which tricky 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 Whipped Cream Bandit is _____

Possible suspects

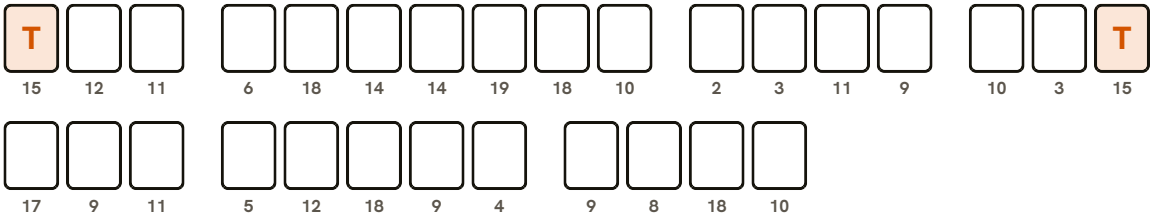
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	BAKING MOVE	TOPPING STYLE	OUTFIT	FUR PATTERN	DISTRACTION
Pawl	Sugar Dust	Candy Crunch	Wears Apron	Calico Fur	Spray Bottle
Oliver	Sugar Dust	Whisk Spin	Wears Chef Hat	Calico Fur	Bell Collar
Simba	Sugar Dust	Caramel Drizzle	Wears Apron	Orange Fur	Spray Bottle
Cinnamon	Sugar Dust	Cherry Top	Wears Chef Hat	Orange Fur	Yarn Ball
Buttercup	Cream Swirl	Candy Crunch	Wears Apron	Black Fur	Yarn Ball
Hazel	Batter Whip	Cherry Top	Wears Apron	Orange Fur	Yarn Ball
Milo	Sprinkle Shower	Cherry Top	Wears Chef Hat	Orange Fur	Yarn Ball
Mittens	Sugar Dust	Whisk Spin	Wears Chef Hat	Calico Fur	Yarn Ball
Whiskers	Batter Whip	Whisk Spin	Wears Chef Hat	Orange Fur	Spray Bottle
Ziggy	Frosting Blast	Caramel Drizzle	Wears Apron	Calico Fur	Yarn Ball
Pepper	Cream Swirl	Whisk Spin	Wears Chef Hat	Orange Fur	Spray Bottle
Waffles	Batter Whip	Cherry Top	Wears Chef Hat	Orange Fur	Spray Bottle
Daisy	Sugar Dust	Caramel Drizzle	Wears Chef Hat	Orange Fur	Yarn Ball
Jasper	Sugar Dust	Berry Toss	Wears Chef Hat	Black Fur	Spray Bottle
Cookie	Sugar Dust	Candy Crunch	Wears Chef Hat	Black Fur	Yarn Ball
Cleo	Frosting Blast	Caramel Drizzle	Wears Apron	Orange Fur	Spray Bottle
Biscuit	Cream Swirl	Berry Toss	Wears Apron	Orange Fur	Yarn Ball
Peanut	Cream Swirl	Caramel Drizzle	Wears Chef Hat	Calico Fur	Yarn Ball
Muffin	Cream Swirl	Caramel Drizzle	Wears Chef Hat	Orange Fur	Yarn Ball
Barnaby	Sprinkle Shower	Caramel Drizzle	Wears Apron	Calico Fur	Spray Bottle
Poppy	Sprinkle Shower	Whisk Spin	Wears Chef Hat	Orange Fur	Yarn Ball

CLUE 1 Addition

Chef Kitten counts the total bowls of whipped cream on the table to unlock the first clue.

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



7 + 8 = ☐ → T

1 + 3 = ☐ → K

1 + 2 = ☐ → O

2 + 6 = ☐ → P

10 + 4 = ☐ → L

5 + 14 = ☐ → A

3 + 2 = ☐ → W

1 + 5 = ☐ → V

6 + 6 = ☐ → H

1 + 1 = ☐ → D

6 + 3 = ☐ → S

12 + 5 = ☐ → U

4 + 7 = ☐ → E

12 + 6 = ☐ → I

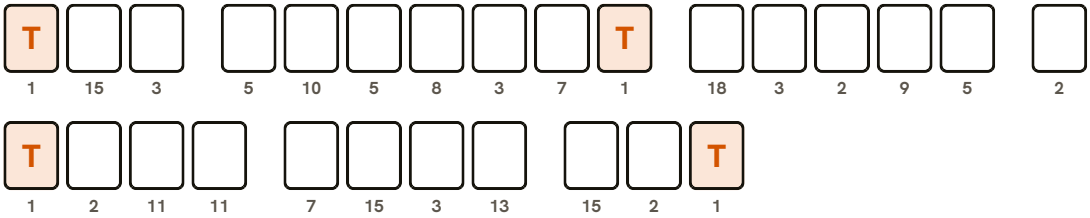
6 + 4 = ☐ → N

Scratch space:

CLUE 2 Subtraction

> Someone ate a few fish treats from the baking pan, leaving only a small count behind.

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



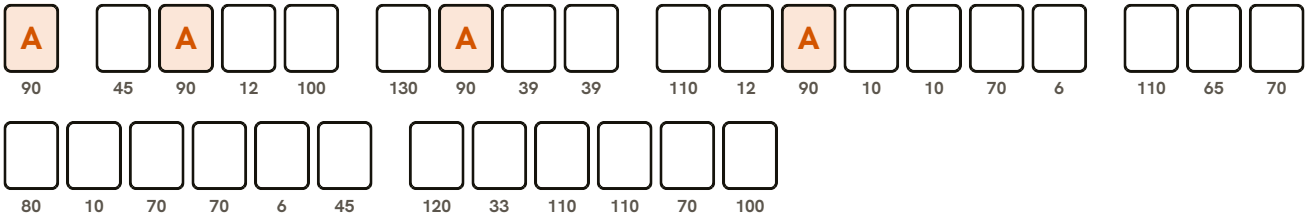
4 - 3 = ☐ → T	18 - 3 = ☐ → H	18 - 8 = ☐ → U	20 - 2 = ☐ → W
12 - 5 = ☐ → C	12 - 4 = ☐ → P	10 - 8 = ☐ → A	5 - 2 = ☐ → E
15 - 2 = ☐ → F	15 - 6 = ☐ → R	7 - 2 = ☐ → S	16 - 5 = ☐ → L

Scratch space:

CLUE 3 Skip counting

Paw prints lead down the hall in pairs, so Chef Kitten counts them by twos.

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



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

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

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, ___, 14, 16 ☐ → R

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

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

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

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

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

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

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

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

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

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

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, ___, 12, 14 [ ] → **P**

Scratch space:

CLUE 4 Place value

A jar of sprinkles has groups of ten and single ones left on top.

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

O												O							
41	70	59	73	75	67	99	95	70	85	59	31	99	41	95	73	82	73	67	59	70	60	68	67	60	70	59	29

What number has 4 tens and 1 one? ☐ → O

What number has 9 tens and 9 ones? ☐ → F

What number has 7 tens and 5 ones? ☐ → G

What number has 3 tens and 1 one? ☐ → S

What number has 9 tens and 5 ones? ☐ → U

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

What number has 6 tens and 0 ones? ☐ → T

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

What number has 8 tens and 5 ones? ☐ → W

What number has 5 tens and 9 ones? ☐ → A

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

What number has 6 tens and 7 ones? ☐ → E

What number has 7 tens and 0 ones? ☐ → R

What number has 2 tens and 9 ones? ☐ → Y

Scratch space:

CLUE 5 Missing addends - the last clue

Chef Kitten needs ten total cherries for the cake and counts how many more are needed.

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 + ___ = 13 ☐	1 + ___ = 3 ☐	3 + ___ = 8 ☐	8 + ___ = 11 ☐	4 + ___ = 5 ☐
6 + ___ = 16 ☐	7 + ___ = 15 ☐	7 + ___ = 14 ☐	4 + ___ = 16 ☐	
5 + ___ = 9 ☐	5 + ___ = 16 ☐			

Step 2 - cross out the sentence with each answer:

1. The villain dusted the floor with powdered sugar, then spun around with a whisk.
2. The villain showered the kitchen in sprinkles, then topped the cake with cherries.
3. The villain swirled giant mounds of whipped cream, then spun around with a whisk.
4. The villain dusted the floor with powdered sugar, then crunched on crispy candies.
5. The villain swirled giant mounds of whipped cream, then drizzled warm sweet caramel.
6. The villain dusted the floor with powdered sugar, then topped the cake with cherries.
7. The villain showered the kitchen in sprinkles, then crunched on crispy candies.
8. The villain dusted the floor with powdered sugar, then tossed ripe red berries.
9. The villain dusted the floor with powdered sugar, then drizzled warm sweet caramel.
10. The villain blasted sweet frosting everywhere, then topped the cake with cherries.
11. The villain blasted sweet frosting everywhere, then crunched on crispy candies.
12. The villain showered the kitchen in sprinkles, then drizzled warm sweet caramel.

TEACHER / PARENT

Answer Key

The Great Cake Caper

Culprit: Daisy

Sugar Dust · Caramel Drizzle · Wears Chef Hat · Orange Fur · Yarn Ball

Trail: Start 21 → Clue 1 16 → Clue 2 8 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE VILLAIN DOES NOT USE WHISK SPIN"

7 + 8 = 15 (T) · 1 + 3 = 4 (K) · 1 + 2 = 3 (O) · 2 + 6 = 8 (P) · 10 + 4 = 14 (L) · 5 + 14 = 19 (A) · 3 + 2 = 5 (W) · 1 + 5 = 6 (V) · 6 + 6 = 12 (H) · 1 + 1 = 2 (D) · 6 + 3 = 9 (S) · 12 + 5 = 17 (U) · 4 + 7 = 11 (E) · 12 + 6 = 18 (I) · 6 + 4 = 10 (N)

Clue 2 (Subtraction): "THE SUSPECT WEARS A TALL CHEF HAT"

4 - 3 = 1 (T) · 18 - 3 = 15 (H) · 18 - 8 = 10 (U) · 20 - 2 = 18 (W) · 12 - 5 = 7 (C) · 12 - 4 = 8 (P) · 10 - 8 = 2 (A) · 5 - 2 = 3 (E) · 15 - 2 = 13 (F) · 15 - 6 = 9 (R) · 7 - 2 = 5 (S) · 16 - 5 = 11 (L)

Clue 3 (Skip counting): "A YARN BALL TRAPPED THE SPEEDY KITTEN"

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

Clue 4 (Place value): "ORANGE FUR WAS FOUND NEAR THE TRAY"

What number has 4 tens and 1 one? = 41 (O) · What number has 9 tens and 9 ones? = 99 (F) · What number has 7 tens and 5 ones? = 75 (G) · What number has 3 tens and 1 one? = 31 (S) · What number has 9 tens and 5 ones? = 95 (U) · What number has 6 tens and 8 ones? = 68 (H) · What number has 6 tens and 0 ones? = 60 (T) · What number has 7 tens and 3 ones? = 73 (N) · What number has 8 tens and 5 ones? = 85 (W) · What number has 5 tens and 9 ones? = 59 (A) · What number has 8 tens and 2 ones? = 82 (D) · What number has 6 tens and 7 ones? = 67 (E) · What number has 7 tens and 0 ones? = 70 (R) · What number has 2 tens and 9 ones? = 29 (Y)

Clue 5 (Missing addends): surviving statement is box 9 → Daisy

7 + ___ = 13 = 6 · 1 + ___ = 3 = 2 · 3 + ___ = 8 = 5 · 8 + ___ = 11 = 3 · 4 + ___ = 5 = 1 · 6 + ___ = 16 = 10 · 7 + ___ = 15 = 8 · 7 + ___ = 14 = 7 · 4 + ___ = 16 = 12 · 5 + ___ = 9 = 4 · 5 + ___ = 16 = 11