The Great Toilet Paper Heist

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

Detective: _____ **Date:** _____

Someone clogged the main pipes in Flush City and stole all the soft toilet paper! The Chief Plumber needs your help to crack the clues and catch the villain.

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 The Plunger Bandit is _____

Possible suspects

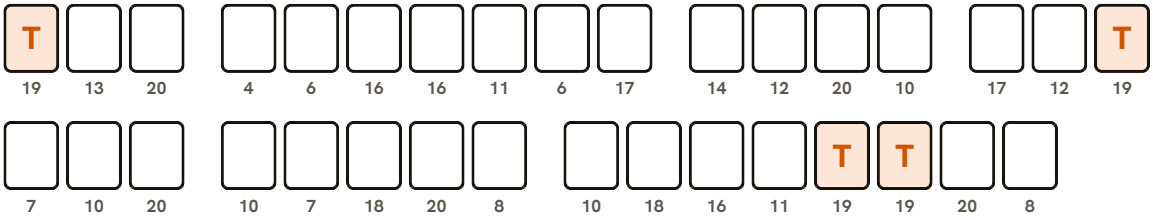
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	GADGET	POTTY POWER	GRIP	HAIR COLOR	DISLIKE
Soggy Sam	Bubble Sprayer	Slippy Soap	Right Handed	Green Hair	Fresh Lemons
Splashy Sue	Squeaky Sponge	Super Splatter	Left Handed	Brown Hair	Sweet Roses
Tidy Tim	Golden Plunger	Slippy Soap	Right Handed	Green Hair	Clean Towels
Dippy Danny	Squeaky Sponge	Fizzy Bubbles	Left Handed	Green Hair	Clean Towels
Petey Pipe	Paper Cannon	Mega Stink	Left Handed	Yellow Hair	Fresh Lemons
Wally Water	Bubble Sprayer	Super Splatter	Left Handed	Green Hair	Clean Towels
Flo Flush	Flush Blaster	Fizzy Bubbles	Right Handed	Yellow Hair	Fresh Lemons
Bubbles McFlush	Paper Cannon	Mega Stink	Left Handed	Green Hair	Clean Towels
Cranky Crapper	Golden Plunger	Super Splatter	Right Handed	Yellow Hair	Fresh Lemons
Tubby Todd	Paper Cannon	Super Splatter	Right Handed	Yellow Hair	Fresh Lemons
Polly Polish	Flush Blaster	Fizzy Bubbles	Left Handed	Yellow Hair	Clean Towels
Pip Pipe	Paper Cannon	Slippy Soap	Left Handed	Green Hair	Clean Towels
Messy Max	Squeaky Sponge	Mega Stink	Left Handed	Green Hair	Fresh Lemons
Penny Paper	Bubble Sprayer	Slippy Soap	Right Handed	Yellow Hair	Fresh Lemons
Sammy Sponge	Golden Plunger	Super Splatter	Right Handed	Yellow Hair	Sweet Roses
Pooch Puddle	Bubble Sprayer	Slippy Soap	Right Handed	Green Hair	Sweet Roses
Benny Bowl	Flush Blaster	Loud Burp	Left Handed	Yellow Hair	Sweet Roses
Scrubby Steve	Golden Plunger	Loud Burp	Left Handed	Brown Hair	Clean Towels
Clean Clara	Bubble Sprayer	Fizzy Bubbles	Left Handed	Green Hair	Clean Towels
Gassy Gary	Golden Plunger	Super Splatter	Left Handed	Green Hair	Sweet Roses
Wobbly Will	Squeaky Sponge	Super Splatter	Right Handed	Brown Hair	Fresh Lemons

CLUE 1 Addition

We count up all the soggy paper rolls found near the leaky pipes to find our first clue.

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



8 + 11 = ☐ → T

3 + 4 = ☐ → U

7 + 7 = ☐ → D

7 + 4 = ☐ → A

7 + 6 = ☐ → H

4 + 2 = ☐ → I

10 + 8 = ☐ → P

2 + 6 = ☐ → R

5 + 12 = ☐ → N

11 + 9 = ☐ → E

1 + 3 = ☐ → V

7 + 5 = ☐ → O

12 + 4 = ☐ → L

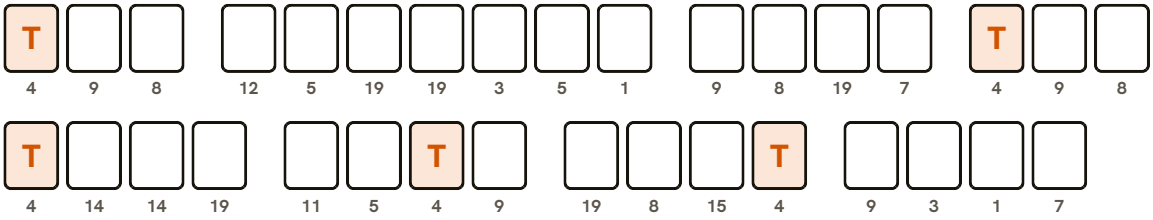
3 + 7 = ☐ → S

Scratch space:

CLUE 2 Subtraction

We subtract the dirty sponges that floated away down the drain to reveal the next note.

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



8 - 4 = ☐ → T

11 - 2 = ☐ → H

20 - 1 = ☐ → L

15 - 3 = ☐ → V

15 - 4 = ☐ → W

18 - 3 = ☐ → F

13 - 5 = ☐ → E

14 - 9 = ☐ → I

7 - 4 = ☐ → A

2 - 1 = ☐ → N

15 - 1 = ☐ → O

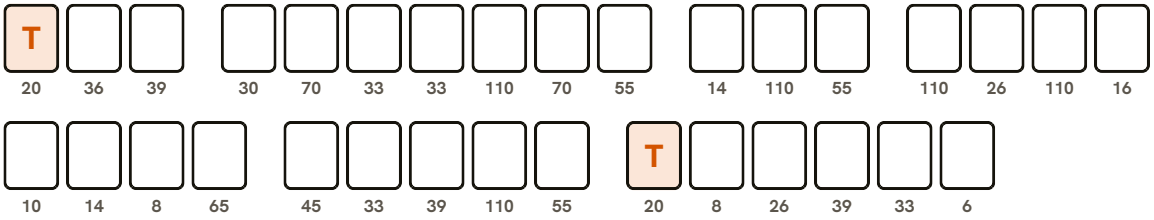
16 - 9 = ☐ → D

Scratch space:

CLUE 3 Skip counting

We skip count the stacks of toilet paper by twos along the bathroom wall.

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



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

Skip-count by 10s. Fill the blank: 10, 20, ___, 40, 50 ☐ → V

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

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

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

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

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

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

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

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

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

Skip-count by 2s. Fill the blank: 2, 4, 6, ___, 10, 12 ☐ → O

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

Skip-count by 2s. Fill the blank: 2, 4, ___, 8, 10 [ ] → **S**

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

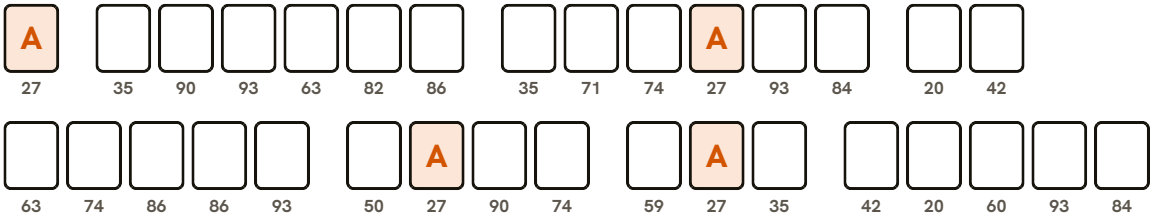
Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, ___, 70, 75 [ ] → **M**

Scratch space:

CLUE 4 Place value

We look at the tens and ones on the digital bathroom scale to unlock the code.

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



What number has 2 tens and 7 ones? ☐ → A

What number has 4 tens and 2 ones? ☐ → F

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

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

What number has 9 tens and 0 ones? ☐ → I

What number has 8 tens and 4 ones? ☐ → D

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

What number has 5 tens and 0 ones? ☐ → H

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

What number has 2 tens and 0 ones? ☐ → O

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

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

What number has 7 tens and 4 ones? ☐ → R

What number has 9 tens and 3 ones? ☐ → N

What number has 6 tens and 3 ones? ☐ → G

Scratch space:

CLUE 5 Missing addends - the last clue

We figure out how many more bars of soap we need to fill the crate.

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:

9 + ___ = 14 ☐	7 + ___ = 10 ☐	2 + ___ = 12 ☐	1 + ___ = 9 ☐
7 + ___ = 13 ☐	4 + ___ = 16 ☐	6 + ___ = 8 ☐	6 + ___ = 7 ☐
10 + ___ = 21 ☐	1 + ___ = 8 ☐	4 + ___ = 8 ☐	

Step 2 - cross out the sentence with each answer:

1. The villain sprayed the bubble sprayer, then dumped slippy soap.
2. The villain fired the flush blaster, then dumped slippy soap.
3. The villain scrubbed with the squeaky sponge, then made fizzy bubbles.
4. The villain fired the flush blaster, then created a mega stink.
5. The villain sprayed the bubble sprayer, then made fizzy bubbles.
6. The villain sprayed the bubble sprayer, then caused a super splatter.
7. The villain sprayed the bubble sprayer, then let out a loud burp.
8. The villain scrubbed with the squeaky sponge, then created a mega stink.
9. The villain blasted the paper cannon, then dumped slippy soap.
10. The villain blasted the paper cannon, then created a mega stink.
11. The villain zapped the golden plunger, then caused a super splatter.
12. The villain fired the flush blaster, then made fizzy bubbles.

TEACHER / PARENT

Answer Key

The Great Toilet Paper Heist

Culprit: Pip Pipe

Paper Cannon · Slippy Soap · Left Handed · Green Hair · Clean Towels

Trail: Start 21 → Clue 1 14 → Clue 2 9 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE VILLAIN DOES NOT USE SUPER SPLATTER"

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

Clue 2 (Subtraction): "THE VILLAIN HELD THE TOOL WITH LEFT HAND"

8 - 4 = 4 (T) · 11 - 2 = 9 (H) · 20 - 1 = 19 (L) · 15 - 3 = 12 (V) · 15 - 4 = 11 (W) · 18 - 3 = 15 (F) · 13 - 5 = 8 (E) · 14 - 9 = 5 (I) · 7 - 4 = 3 (A) · 2 - 1 = 1 (N) · 15 - 1 = 14 (O) · 16 - 9 = 7 (D)

Clue 3 (Skip counting): "THE VILLAIN RAN AWAY FROM CLEAN TOWELS"

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

Clue 4 (Place value): "A SINGLE STRAND OF GREEN HAIR WAS FOUND"

What number has 2 tens and 7 ones? = 27 (A) · What number has 4 tens and 2 ones? = 42 (F) · What number has 8 tens and 2 ones? = 82 (L) · What number has 7 tens and 1 one? = 71 (T) · What number has 9 tens and 0 ones? = 90 (I) · What number has 8 tens and 4 ones? = 84 (D) · What number has 6 tens and 0 ones? = 60 (U) · What number has 5 tens and 0 ones? = 50 (H) · What number has 5 tens and 9 ones? = 59 (W) · What number has 2 tens and 0 ones? = 20 (O) · What number has 3 tens and 5 ones? = 35 (S) · What number has 8 tens and 6 ones? = 86 (E) · What number has 7 tens and 4 ones? = 74 (R) · What number has 9 tens and 3 ones? = 93 (N) · What number has 6 tens and 3 ones? = 63 (G)

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

9 + ___ = 14 = 5 · 7 + ___ = 10 = 3 · 2 + ___ = 12 = 10 · 1 + ___ = 9 = 8 · 7 + ___ = 13 = 6 · 4 + ___ = 16 = 12 · 6 + ___ = 8 = 2 · 6 + ___ = 7 = 1 · 10 + ___ = 21 = 11 · 1 + ___ = 8 = 7 · 4 + ___ = 8 = 4