



The Great Recital Mischief

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

Detective: _____ Date: _____

Someone hid the grand trophy right before the big recital! The Head Choreographer needs your help. Follow the clues across the dance floor to catch the trickster.

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 Stage Crasher is _____

Possible suspects

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

NAME	SIGNATURE MOVE	DANCE PROP	LEAD HAND	HAIR STYLE	MUSIC FEAR
Misty Copeland	Tap Tap Shuffle	Glitter Baton	Right Handed Lead	Short Slick Back	Loud Drum Beats
Carlos Acosta	Robot Freeze	Neon Ribbon	Right Handed Lead	Curly Top Knot	Heavy Brass Horns
Julianne Hough	Spinning Pirouette	Golden Tutu	Left Handed Lead	Neat High Bun	Heavy Brass Horns
Savion Glover	Tap Tap Shuffle	Golden Tutu	Left Handed Lead	Neat High Bun	Heavy Brass Horns
Alvin Ailey	Tap Tap Shuffle	Sparkle Cane	Left Handed Lead	Neat High Bun	Heavy Brass Horns
Gillian Murphy	Ribbon Leap	Golden Tutu	Left Handed Lead	Short Slick Back	Heavy Brass Horns
Martha Graham	Ribbon Leap	Silk Fan	Left Handed Lead	Neat High Bun	Fast Violin Solos
Michaela DePrince	Robot Freeze	Glitter Baton	Right Handed Lead	Neat High Bun	Heavy Brass Horns
Tiler Peck	Robot Freeze	Sparkle Cane	Left Handed Lead	Curly Top Knot	Loud Drum Beats
Sutton Foster	Spinning Pirouette	Golden Tutu	Right Handed Lead	Neat High Bun	Heavy Brass Horns
Rudolf Nureyev	High Moonwalk	Glitter Baton	Left Handed Lead	Curly Top Knot	Heavy Brass Horns
Suzanne Farrell	High Moonwalk	Neon Ribbon	Left Handed Lead	Neat High Bun	Heavy Brass Horns
Benjamin Millepied	Spinning Pirouette	Glitter Baton	Left Handed Lead	Neat High Bun	Fast Violin Solos
Mikhail Baryshnikov	High Moonwalk	Silk Fan	Left Handed Lead	Neat High Bun	Loud Drum Beats
Debbie Allen	Spinning Pirouette	Sparkle Cane	Left Handed Lead	Short Slick Back	Loud Drum Beats
Twyla Tharp	High Moonwalk	Neon Ribbon	Left Handed Lead	Short Slick Back	Heavy Brass Horns
Gene Kelly	Spinning Pirouette	Neon Ribbon	Left Handed Lead	Curly Top Knot	Fast Violin Solos
Fred Astaire	Ribbon Leap	Silk Fan	Left Handed Lead	Short Slick Back	Fast Violin Solos
Travis Wall	Spinning Pirouette	Silk Fan	Left Handed Lead	Neat High Bun	Heavy Brass Horns
Anna Pavlova	Ribbon Leap	Sparkle Cane	Right Handed Lead	Curly Top Knot	Fast Violin Solos
JoJo Siwa	Ribbon Leap	Silk Fan	Right Handed Lead	Short Slick Back	Fast Violin Solos

CLUE 1 Addition

We count all the ballet slippers left in the studio lockers to find our first clue.

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

T																T
44	84	30	57	40	63	63	26	40	58	73	64	30	50	58	64	44
22	50	30	26	50	35	26	74	86	63	30	96	26	58	30		

$22 + 22 = \square \rightarrow \text{T}$	$10 + 16 = \square \rightarrow \text{A}$	$15 + 15 = \square \rightarrow \text{E}$
$16 + 6 = \square \rightarrow \text{U}$	$13 + 27 = \square \rightarrow \text{I}$	$32 + 42 = \square \rightarrow \text{R}$
$20 + 15 = \square \rightarrow \text{P}$	$56 + 30 = \square \rightarrow \text{K}$	$18 + 45 = \square \rightarrow \text{L}$
$38 + 26 = \square \rightarrow \text{O}$	$28 + 56 = \square \rightarrow \text{H}$	$62 + 34 = \square \rightarrow \text{C}$
$41 + 17 = \square \rightarrow \text{N}$	$47 + 26 = \square \rightarrow \text{D}$	$26 + 31 = \square \rightarrow \text{V}$
$32 + 18 = \square \rightarrow \text{S}$		

Scratch space:

CLUE 2

Subtraction

We subtract the stolen tap shoes from the rack to see what is missing.

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

W									W					
79	87	68	29	80	69	69	69	70	79	70	60	80	66	68
47	70	29	86	80	86	60	80	70	86	69	68	80	64	

$93 - 14 = \square \rightarrow \boxed{\text{W}}$

$81 - 15 = \square \rightarrow \boxed{\text{F}}$

$105 - 35 = \square \rightarrow \boxed{\text{A}}$

$95 - 8 = \square \rightarrow \boxed{\text{I}}$

$71 - 2 = \square \rightarrow \boxed{\text{S}}$

$34 - 5 = \square \rightarrow \boxed{\text{N}}$

$86 - 6 = \square \rightarrow \boxed{\text{E}}$

$95 - 31 = \square \rightarrow \boxed{\text{P}}$

$95 - 27 = \square \rightarrow \boxed{\text{T}}$

$70 - 10 = \square \rightarrow \boxed{\text{L}}$

$107 - 21 = \square \rightarrow \boxed{\text{D}}$

$80 - 33 = \square \rightarrow \boxed{\text{H}}$

Scratch space:

CLUE 3

Place value

We look at the place value of the score digits on the practice board.

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

H											H					
50	93	16	14	30	72	77	16	73	73	50	15	77	75	73		
								H								
73	35	15	37	37	93	11	35	50	93	14	66	95	95	16	66	75

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

What number has 1 ten and 6 ones? → **A**

What number has 3 tens and 0 ones? → **Y**

What number has 9 tens and 3 ones? → **E**

What number has 7 tens and 5 ones? → **N**

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

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

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

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

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

What number has 1 ten and 5 ones? → **O**

What number has 1 ten and 4 ones? → **V**

What number has 6 tens and 6 ones? → **I**

What number has 7 tens and 2 ones? → **B**

What number has 1 ten and 1 one? → **D**

Scratch space:

CLUE 4 Skip counting

We skip count the floor tiles by fives to follow the mystery footprints.

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

F													F				
25	140	6	26	90	30	14	20	10	26	90	30	25	20	140	12	10	
26	55	10	14	18	27	42	18	9	6	26							

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, __, 30, 35 → **F**

Skip-count by 2s. Fill the blank: 2, 4, __, 8, 10 → **U**

Skip-count by 3s. Fill the blank: 3, 6, __, 12, 15 → **B**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, __, 100, 110 → **D**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, __, 12, 14 → **A**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, __, 14, 16 → **M**

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

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, __, 45, 48 → **G**

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

Skip-count by 5s. Fill the blank: 5, 10, 15, __, 25, 30 → **R**

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

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, __, 21, 24 → **H**

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 5s. Fill the blank: 5, 10, 15, 20, 25, __, 35, 40 → **S**

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

Scratch space:

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

We fill in the missing costume gems to reach the stage total.

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:

$8 + \underline{\quad} = 11$

$4 + \underline{\quad} = 15$

$1 + \underline{\quad} = 9$

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

$9 + \underline{\quad} = 14$

$9 + \underline{\quad} = 19$

$3 + \underline{\quad} = 5$

$5 + \underline{\quad} = 17$

$10 + \underline{\quad} = 14$

$1 + \underline{\quad} = 2$

$3 + \underline{\quad} = 9$

Step 2 - cross out the sentence with each answer:

1. The villain does a high moonwalk, then swings a sparkle cane.
2. The villain performs a spinning pirouette, then swings a sparkle cane.
3. The villain performs a spinning pirouette, then wears a golden tutu.
4. The villain executes a tap tap shuffle, then twirls a glitter baton.
5. The villain lands a ribbon leap, then waves a silk fan.
6. The villain does a high moonwalk, then wears a golden tutu.
7. The villain performs a spinning pirouette, then waves a silk fan.
8. The villain executes a tap tap shuffle, then wears a golden tutu.
9. The villain does a high moonwalk, then twirls a glitter baton.
10. The villain holds a robot freeze, then flaps a neon ribbon.
11. The villain does a high moonwalk, then flaps a neon ribbon.
12. The villain holds a robot freeze, then swings a sparkle cane.

Answer Key

The Great Recital Mischief

Culprit: Travis Wall

Spinning Pirouette · Silk Fan · Left Handed Lead · Neat High Bun · Heavy Brass Horns

Trail: Start 21 → Clue 1 17 → Clue 2 12 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE VILLAIN DOES NOT USE A SPARKLE CANE"

$22 + 22 = 44$ (T) · $10 + 16 = 26$ (A) · $15 + 15 = 30$ (E) · $16 + 6 = 22$ (U) · $13 + 27 = 40$ (I) · $32 + 42 = 74$ (R) · $20 + 15 = 35$ (P) · $56 + 30 = 86$ (K) · $18 + 45 = 63$ (L) · $38 + 26 = 64$ (O) · $28 + 56 = 84$ (H) · $62 + 34 = 96$ (C) · $41 + 17 = 58$ (N) · $47 + 26 = 73$ (D) · $26 + 31 = 57$ (V) · $32 + 18 = 50$ (S)

Clue 2 (Subtraction): "WITNESS SAW A LEFT HANDED LEAD STEP"

$93 - 14 = 79$ (W) · $81 - 15 = 66$ (F) · $105 - 35 = 70$ (A) · $95 - 8 = 87$ (I) · $71 - 2 = 69$ (S) · $34 - 5 = 29$ (N) · $86 - 6 = 80$ (E) · $95 - 31 = 64$ (P) · $95 - 27 = 68$ (T) · $70 - 10 = 60$ (L) · $107 - 21 = 86$ (D) · $80 - 33 = 47$ (H)

Clue 3 (Place value): "HEAVY BRASS HORNS STOPPED THE VILLAIN"

What number has 5 tens and 0 ones? = 50 (H) · What number has 1 ten and 6 ones? = 16 (A) · What number has 3 tens and 0 ones? = 30 (Y) · What number has 9 tens and 3 ones? = 93 (E) · What number has 7 tens and 5 ones? = 75 (N) · What number has 7 tens and 7 ones? = 77 (R) · What number has 3 tens and 5 ones? = 35 (T) · What number has 7 tens and 3 ones? = 73 (S) · What number has 9 tens and 5 ones? = 95 (L) · What number has 3 tens and 7 ones? = 37 (P) · What number has 1 ten and 5 ones? = 15 (O) · What number has 1 ten and 4 ones? = 14 (V) · What number has 6 tens and 6 ones? = 66 (I) · What number has 7 tens and 2 ones? = 72 (B) · What number has 1 ten and 1 one? = 11 (D)

Clue 4 (Skip counting): "FOUND STRANDS FROM A NEAT HIGH BUN"

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, __, 30, 35 = 25 (F) · Skip-count by 2s. Fill the blank: 2, 4, __, 8, 10 = 6 (U) · Skip-count by 3s. Fill the blank: 3, 6, __, 12, 15 = 9 (B) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, __, 100, 110 = 90 (D) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, __, 12, 14 = 10 (A) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, __, 14, 16 = 12 (M) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, __, 30, 33 = 27 (I) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, __, 45, 48 = 42 (G) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, __, 16, 18 = 14 (T) · Skip-count by 5s. Fill the blank: 5, 10, 15, __, 25, 30 = 20 (R) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, __, 60, 65 = 55 (E) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, __, 21, 24 = 18 (H) · 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 5s. Fill the blank: 5, 10, 15, 20, 25, __, 35, 40 = 30 (S) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, __, 28, 30 = 26 (N)

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

$8 + \underline{\quad} = 11 = 3$ · $4 + \underline{\quad} = 15 = 11$ · $1 + \underline{\quad} = 9 = 8$ · $7 + \underline{\quad} = 16 = 9$ · $9 + \underline{\quad} = 14 = 5$ · $9 + \underline{\quad} = 19 = 10$ · $3 + \underline{\quad} = 5 = 2$ · $5 + \underline{\quad} = 17 = 12$ · $10 + \underline{\quad} = 14 = 4$ · $1 + \underline{\quad} = 2 = 1$ · $3 + \underline{\quad} = 9 = 6$