



# The Case of the Missing Yellow Minion Spaceship

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

Detective: \_\_\_\_\_ Date: \_\_\_\_\_

Miles built a cool yellow minion spaceship out of shiny Lego bricks. But now the toy spaceship is gone! Miles and his helper friends Teddy and Margot must find the sneaky thief who took 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 Bad Brick Thief is** \_\_\_\_\_

## Possible suspects

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

NAME	LEGO TOOL	SUPER BRICK COLOR	STICKER STYLE	MINION HAIR	TOY DEFEAT
Lance	Mega Hammer	Lime Green	Left Side Sticker	Bald Head Smooth	Stuck on Sticky Tape
Don	Mini Screwdriver	Glow Orange	Right Side Sticker	Spiky Hair Black	Trapped under a Cup
Jerry	Mega Hammer	Neon Blue	Left Side Sticker	Spiky Hair Black	Stuck on Sticky Tape
Jorge	Brick Separator	Sparkle Purple	Left Side Sticker	Bald Head Smooth	Trapped under a Cup
Mark	Mega Hammer	Sparkle Purple	Right Side Sticker	Tall Sprouts Black	Stuck on Sticky Tape
Phil	Tiny Wrench	Sparkle Purple	Left Side Sticker	Tall Sprouts Black	Trapped under a Cup
Gary	Suction Cup	Lime Green	Right Side Sticker	Spiky Hair Black	Trapped under a Cup
Mel	Mini Screwdriver	Sparkle Purple	Left Side Sticker	Spiky Hair Black	Dropped in Soap Water
Henry	Tiny Wrench	Sparkle Purple	Left Side Sticker	Bald Head Smooth	Trapped under a Cup
Stuart	Mega Hammer	Sparkle Purple	Right Side Sticker	Bald Head Smooth	Trapped under a Cup
Tim	Mini Screwdriver	Lime Green	Left Side Sticker	Bald Head Smooth	Trapped under a Cup
Paul	Mega Hammer	Lime Green	Right Side Sticker	Bald Head Smooth	Stuck on Sticky Tape
Eric	Suction Cup	Neon Blue	Left Side Sticker	Bald Head Smooth	Trapped under a Cup
Tom	Tiny Wrench	Neon Blue	Left Side Sticker	Tall Sprouts Black	Dropped in Soap Water
Kevin	Mini Screwdriver	Neon Blue	Left Side Sticker	Tall Sprouts Black	Dropped in Soap Water
Carl	Tiny Wrench	Sparkle Purple	Left Side Sticker	Bald Head Smooth	Stuck on Sticky Tape
Norbert	Tiny Wrench	Glow Orange	Right Side Sticker	Tall Sprouts Black	Trapped under a Cup
Jon	Brick Separator	Chrome Gold	Left Side Sticker	Bald Head Smooth	Stuck on Sticky Tape
Fred	Tiny Wrench	Sparkle Purple	Right Side Sticker	Spiky Hair Black	Stuck on Sticky Tape
Bob	Suction Cup	Neon Blue	Left Side Sticker	Bald Head Smooth	Stuck on Sticky Tape
Ken	Mega Hammer	Chrome Gold	Left Side Sticker	Bald Head Smooth	Trapped under a Cup

**CLUE 1** Addition

Teddy counts the yellow Lego blocks left on the floor. He adds five blocks and four more blocks. The total sum leads us to the first hint.

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

<input type="text" value="T"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="T"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
17	15	5	17	15	18	5	7	15	9	2	14	12	14	5	12	14
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
13	8	16	5													

$8 + 9 = \square \rightarrow$ <input type="text" value="T"/>	$4 + 1 = \square \rightarrow$ <input type="text" value="E"/>	$3 + 10 = \square \rightarrow$ <input type="text" value="B"/>	
$11 + 7 = \square \rightarrow$ <input type="text" value="I"/>	$3 + 6 = \square \rightarrow$ <input type="text" value="A"/>	$9 + 6 = \square \rightarrow$ <input type="text" value="H"/>	
$4 + 10 = \square \rightarrow$ <input type="text" value="N"/>	$9 + 3 = \square \rightarrow$ <input type="text" value="O"/>	$1 + 1 = \square \rightarrow$ <input type="text" value="S"/>	$2 + 6 = \square \rightarrow$ <input type="text" value="L"/>
$3 + 4 = \square \rightarrow$ <input type="text" value="F"/>	$9 + 7 = \square \rightarrow$ <input type="text" value="U"/>		

Scratch space:

**CLUE 2** Subtraction

Margot checks the tool box. She takes ten plastic wrenches away from the big pack of twelve. The subtraction tells us a helpful detail.

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

Row 1: **T**       **T**  **T**

5   10   9   13   9   3   5   16   5   12   8   4   9   15   7   18   16

Row 2:     **T**

16   8   15   18   5   8   10   9   6

$13 - 8 = \square \rightarrow \mathbf{T}$	$16 - 1 = \square \rightarrow \mathbf{R}$	$18 - 8 = \square \rightarrow \mathbf{H}$	$8 - 1 = \square \rightarrow \mathbf{W}$
$13 - 1 = \square \rightarrow \mathbf{I}$	$8 - 4 = \square \rightarrow \mathbf{K}$	$10 - 7 = \square \rightarrow \mathbf{F}$	$9 - 1 = \square \rightarrow \mathbf{C}$
$16 - 3 = \square \rightarrow \mathbf{L}$	$17 - 8 = \square \rightarrow \mathbf{E}$	$8 - 2 = \square \rightarrow \mathbf{D}$	$20 - 2 = \square \rightarrow \mathbf{A}$
$20 - 4 = \square \rightarrow \mathbf{S}$			

Scratch space:

### CLUE 3 Skip counting

Miles counts the yellow footprints on the dusty shelf. He counts them by twos to save time. This path reveals a hair sample.

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

<b>T</b>							<b>T</b>	<b>T</b>											
50	22	25	15	120	60	50	50	27	28	10	10	25	8	35	21	8	25	27	
28	30	35	10																

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, \_\_, 55, 60  → **T**

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

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, \_\_, 18, 21  → **Y**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, \_\_, 24, 26  → **H**

Skip-count by 2s. Fill the blank: 2, 4, 6, \_\_, 10, 12  → **D**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, \_\_, 30, 32  → **A**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, \_\_, 130, 140  → **G**

Skip-count by 10s. Fill the blank: 10, 20, \_\_, 40, 50  → **C**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, \_\_, 65, 70  → **O**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, \_\_, 30, 35  → **E**

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

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, \_\_, 40, 45  → **U**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, \_\_, 24, 27  → **N**

Scratch space:

**CLUE 4****Place value (tens & ones)**

Teddy finds a secret note under a Lego baseplate. It has a number with three tens and five ones. This place value code shows us the thief's tell.

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

<b>T</b>															
88	38	15	65	36	87	44	44	56	85	32	15	38	87	44	13 85
38	87	91	96	32	87	96	17	44							

What number has 8 tens and 8 ones?  → **T**

What number has 1 ten and 7 ones?  → **K**

What number has 8 tens and 7 ones?  → **A**

What number has 9 tens and 1 one?  → **I**

What number has 5 tens and 6 ones?  → **D**

What number has 9 tens and 6 ones?  → **R**

What number has 3 tens and 6 ones?  → **L**

What number has 4 tens and 4 ones?  → **S**

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

What number has 8 tens and 5 ones?  → **O**

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

What number has 1 ten and 3 ones?  → **N**

What number has 6 tens and 5 ones?  → **G**

What number has 3 tens and 2 ones?  → **M**

Scratch space:

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

Margot knows the ship needs six fuel parts. She only finds four parts on the rug. The missing number of parts shows us how to stop the thief.

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:**

$9 + \underline{\quad} = 21$

$5 + \underline{\quad} = 8$

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

$9 + \underline{\quad} = 18$

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

$3 + \underline{\quad} = 8$

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

$9 + \underline{\quad} = 20$

$3 + \underline{\quad} = 4$

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

$8 + \underline{\quad} = 15$

**Step 2 - cross out the sentence with each answer:**

1. The villain turns a tiny wrench, then shines in chrome gold.
2. The villain swings a mega hammer, then shines in chrome gold.
3. The villain clicks a brick separator, then glimmers in sparkle purple.
4. The villain clicks a brick separator, then shines in chrome gold.
5. The villain swings a mega hammer, then glares in glow orange.
6. The villain twists a mini screwdriver, then glows in neon blue.
7. The villain swings a mega hammer, then glimmers in sparkle purple.
8. The villain twists a mini screwdriver, then flashes in lime green.
9. The villain twists a mini screwdriver, then glimmers in sparkle purple.
10. The villain uses a suction cup, then shines in chrome gold.
11. The villain uses a suction cup, then glares in glow orange.
12. The villain turns a tiny wrench, then glimmers in sparkle purple.

# Answer Key

## The Case of the Missing Yellow Minion Spaceship

### Culprit: Tim

Mini Screwdriver · Lime Green · Left Side Sticker · Bald Head Smooth · Trapped under a Cup

Trail: Start 21 → Clue 1 16 → Clue 2 9 → Clue 3 5 → Clue 4 4 → Clue 5 1

### Clue 1 (Addition): "THE THIEF HAS NO NEON BLUE"

$8 + 9 = 17$  (T) ·  $4 + 1 = 5$  (E) ·  $3 + 10 = 13$  (B) ·  $11 + 7 = 18$  (I) ·  $3 + 6 = 9$  (A) ·  $9 + 6 = 15$  (H) ·  $4 + 10 = 14$  (N) ·  $9 + 3 = 12$  (O) ·  $1 + 1 = 2$  (S) ·  $2 + 6 = 8$  (L) ·  $3 + 4 = 7$  (F) ·  $9 + 7 = 16$  (U)

### Clue 2 (Subtraction): "THE LEFT STICKER WAS SCRATCHED"

$13 - 8 = 5$  (T) ·  $16 - 1 = 15$  (R) ·  $18 - 8 = 10$  (H) ·  $8 - 1 = 7$  (W) ·  $13 - 1 = 12$  (I) ·  $8 - 4 = 4$  (K) ·  $10 - 7 = 3$  (F) ·  $9 - 1 = 8$  (C) ·  $16 - 3 = 13$  (L) ·  $17 - 8 = 9$  (E) ·  $8 - 2 = 6$  (D) ·  $20 - 2 = 18$  (A) ·  $20 - 4 = 16$  (S)

### Clue 3 (Skip counting): "THEY GOT TRAPPED UNDER A CUP"

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, \_\_, 55, 60 = 50 (T) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, \_\_, 12, 14 = 10 (P) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, \_\_, 18, 21 = 15 (Y) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, \_\_, 24, 26 = 22 (H) · Skip-count by 2s. Fill the blank: 2, 4, 6, \_\_, 10, 12 = 8 (D) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, \_\_, 30, 32 = 28 (A) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, \_\_, 130, 140 = 120 (G) · Skip-count by 10s. Fill the blank: 10, 20, \_\_, 40, 50 = 30 (C) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, \_\_, 65, 70 = 60 (O) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, \_\_, 30, 35 = 25 (E) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, \_\_, 30, 33 = 27 (R) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, \_\_, 40, 45 = 35 (U) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, \_\_, 24, 27 = 21 (N)

### Clue 4 (Place value (tens & ones)): "THE GLASS DOME HAS NO HAIR MARKS"

What number has 8 tens and 8 ones? = 88 (T) · What number has 1 ten and 7 ones? = 17 (K) · What number has 8 tens and 7 ones? = 87 (A) · What number has 9 tens and 1 one? = 91 (I) · What number has 5 tens and 6 ones? = 56 (D) · What number has 9 tens and 6 ones? = 96 (R) · What number has 3 tens and 6 ones? = 36 (L) · What number has 4 tens and 4 ones? = 44 (S) · What number has 1 ten and 5 ones? = 15 (E) · What number has 8 tens and 5 ones? = 85 (O) · What number has 3 tens and 8 ones? = 38 (H) · What number has 1 ten and 3 ones? = 13 (N) · What number has 6 tens and 5 ones? = 65 (G) · What number has 3 tens and 2 ones? = 32 (M)

### Clue 5 (Missing addends): surviving statement is box 8 → Tim

$9 + \underline{\quad} = 21 = 12$  ·  $5 + \underline{\quad} = 8 = 3$  ·  $3 + \underline{\quad} = 5 = 2$  ·  $9 + \underline{\quad} = 18 = 9$  ·  $9 + \underline{\quad} = 19 = 10$  ·  $3 + \underline{\quad} = 8 = 5$  ·  $3 + \underline{\quad} = 9 = 6$  ·  $9 + \underline{\quad} = 20 = 11$  ·  $3 + \underline{\quad} = 4 = 1$  ·  $10 + \underline{\quad} = 14 = 4$  ·  $8 + \underline{\quad} = 15 = 7$