



The Great Toy Brick Heist

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

Detective: _____ Date: _____

Oh no! The Golden Brick has been stolen from the Brick City Museum! The Chief Architect needs your help. A Rogue Builder took it. We must find them before they rebuild the whole city in the wrong colors!

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 Rogue Builder is _____

Possible suspects

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

NAME	BUILDING STYLE	SPECIAL TOOL	HANDEDNESS	HAIR PIECE	BUILDING FLAW
Sienna Stone	Tower-climbing	Laser Leveler	Right-handed builder	Spiky blue hair	Loose baseplates
Wendy Wall	Color-sorting	Magnetic Gloves	Right-handed builder	Curly brown hair	Slippery slopes
Artie Arch	Color-sorting	Magnetic Gloves	Right-handed builder	Curly brown hair	Loose baseplates
Pip Plastic	Speed-stacking	Magnetic Gloves	Right-handed builder	Curly brown hair	Missing corner bricks
Pip Pin	Bridge-crafting	Brick Separator	Right-handed builder	Spiky blue hair	Loose baseplates
Peter Peg	Tower-climbing	Suction Boots	Left-handed builder	Curly brown hair	Slippery slopes
Bella Beam	Color-sorting	Suction Boots	Left-handed builder	Spiky blue hair	Slippery slopes
Godtfred	Speed-stacking	Laser Leveler	Left-handed builder	Curly brown hair	Slippery slopes
Cody Corner	Speed-stacking	Power Drill	Right-handed builder	Curly brown hair	Slippery slopes
Clara Clay	Color-sorting	Power Drill	Right-handed builder	Yellow hard hat	Slippery slopes
Toby Tile	Bridge-crafting	Magnetic Gloves	Right-handed builder	Yellow hard hat	Loose baseplates
Ole Kirk	Tower-climbing	Brick Separator	Right-handed builder	Spiky blue hair	Slippery slopes
Benny Blue	Bridge-crafting	Brick Separator	Left-handed builder	Yellow hard hat	Loose baseplates
Buster Block	Bridge-crafting	Suction Boots	Left-handed builder	Curly brown hair	Loose baseplates
Penny Plate	Tower-climbing	Magnetic Gloves	Right-handed builder	Spiky blue hair	Loose baseplates
Mason	Bridge-crafting	Brick Separator	Left-handed builder	Curly brown hair	Slippery slopes
Gaby Glue	Bridge-crafting	Brick Separator	Right-handed builder	Curly brown hair	Slippery slopes
Sammy Slope	Bridge-crafting	Suction Boots	Right-handed builder	Curly brown hair	Slippery slopes
Studs Mcgee	Tower-climbing	Magnetic Gloves	Right-handed builder	Curly brown hair	Slippery slopes
Danny Dome	Bridge-crafting	Magnetic Gloves	Right-handed builder	Yellow hard hat	Missing corner bricks
Gwen Girder	Tower-climbing	Suction Boots	Right-handed builder	Yellow hard hat	Slippery slopes

CLUE 1 Addition

We found some dropped bricks on the floor. Add them up to find the first clue!

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

T																			
32	30	90	91	26	90	64	67	42	80	88	34	34	64	88	26	33	72	90	91
		T																	
26	72	32	35	91	90	64	97	72	93	90	41	33	41	88	34	34			

$9 + 23 = \square \rightarrow$ T	$12 + 22 = \square \rightarrow$ L	$17 + 24 = \square \rightarrow$ R
$39 + 25 = \square \rightarrow$ A	$33 + 39 = \square \rightarrow$ O	$52 + 28 = \square \rightarrow$ V
$13 + 20 = \square \rightarrow$ D	$21 + 9 = \square \rightarrow$ H	$61 + 27 = \square \rightarrow$ I
$38 + 29 = \square \rightarrow$ K	$20 + 22 = \square \rightarrow$ Y	$25 + 10 = \square \rightarrow$ U
$60 + 30 = \square \rightarrow$ E	$55 + 36 = \square \rightarrow$ S	$37 + 60 = \square \rightarrow$ P
$48 + 45 = \square \rightarrow$ W	$15 + 11 = \square \rightarrow$ N	

Scratch space:

CLUE 2 Subtraction

A tall stack of bricks was knocked over. Subtract the broken ones to get the next clue.

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

T							T						T										
22	85	77	74	58	58	22	56	48	28	84	22	62	56	48	58	68	77	66					
				T																			
48	28	44	85	22	85	66	84	17	77	17	46	40	28	86	17	77	48						

$57 - 35 = \square \rightarrow$ T	$66 - 8 = \square \rightarrow$ O	$47 - 3 = \square \rightarrow$ G
$71 - 9 = \square \rightarrow$ S	$35 - 18 = \square \rightarrow$ D	$92 - 6 = \square \rightarrow$ L
$74 - 26 = \square \rightarrow$ R	$74 - 6 = \square \rightarrow$ V	$39 - 11 = \square \rightarrow$ I
$92 - 8 = \square \rightarrow$ N	$113 - 28 = \square \rightarrow$ H	$65 - 19 = \square \rightarrow$ B
$91 - 35 = \square \rightarrow$ P	$47 - 7 = \square \rightarrow$ U	$103 - 37 = \square \rightarrow$ A
$105 - 28 = \square \rightarrow$ E	$98 - 24 = \square \rightarrow$ F	

Scratch space:

CLUE 3

Word problems

The thief left a note about building blocks. Solve this word puzzle to read it.

Solve each problem, then write its letter in the boxes to fill in the missing word.

Someone scared the villain off with

S								S		O			S
36	21	7	15	15	34	22	32	36	21		15	34	36

There were 38 plastic studs. 2 were used up. How many plastic studs are left?

Answer: → **S**

Master builder found 4 yellow tiles yesterday and 3 more today. How many yellow tiles in all?

Answer: → **I**

There were 25 plastic studs. 10 were used up. How many plastic studs are left?

Answer: → **P**

Master builder lined up 11 rows of 2 yellow tiles. How many yellow tiles in all?

Answer: → **R**

Master builder found 25 red bricks yesterday and 9 more today. How many red bricks in all?

Answer: → **E**

There were 39 yellow tiles. 7 were used up. How many yellow tiles are left?

Answer: → **Y**

Master builder lined up 3 rows of 7 red bricks. How many red bricks in all?

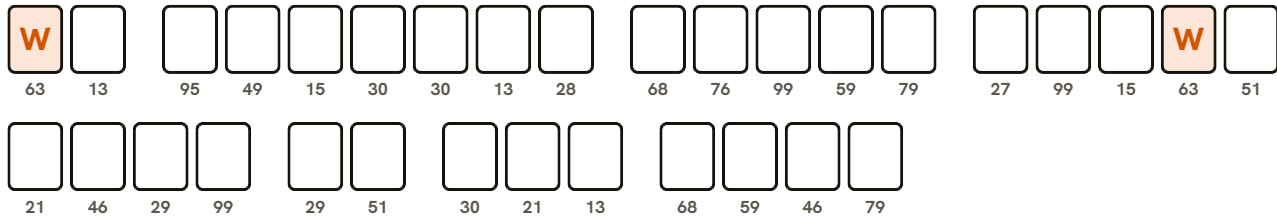
Answer: → **L**

Scratch space:

CLUE 4 Place value

Look at this digital blueprint. Count the tens and ones to unlock this clue.

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



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

What number has 7 tens and 9 ones? → **Y**

What number has 2 tens and 1 one? → **H**

What number has 4 tens and 9 ones? → **P**

What number has 4 tens and 6 ones? → **A**

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

What number has 7 tens and 6 ones? → **U**

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

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

What number has 6 tens and 8 ones? → **C**

What number has 2 tens and 9 ones? → **I**

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

What number has 5 tens and 1 one? → **N**

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

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

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

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

Scratch space:

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

A brick wall has a few missing pieces. Find the missing number to finish the wall and see the 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:

$10 + \underline{\quad} = 20$

$6 + \underline{\quad} = 7$

$4 + \underline{\quad} = 11$

$10 + \underline{\quad} = 16$

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

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

$5 + \underline{\quad} = 7$

$10 + \underline{\quad} = 19$

$10 + \underline{\quad} = 18$

$6 + \underline{\quad} = 10$

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

Step 2 - cross out the sentence with each answer:

1. The villain creates a long arch bridge, then walks up the wall with boots.
2. The villain scales the tallest tower, then shines a bright green laser.
3. The villain sorts all the plastic blocks, then shines a bright green laser.
4. The villain creates a long arch bridge, then grabs metal beams with gloves.
5. The villain scales the tallest tower, then walks up the wall with boots.
6. The villain stacks bricks in a flash, then grabs metal beams with gloves.
7. The villain creates a long arch bridge, then pops bricks apart with a tool.
8. The villain stacks bricks in a flash, then drills a hole in the floor.
9. The villain stacks bricks in a flash, then walks up the wall with boots.
10. The villain sorts all the plastic blocks, then grabs metal beams with gloves.
11. The villain builds a tiny micro-model, then walks up the wall with boots.
12. The villain scales the tallest tower, then grabs metal beams with gloves.

Answer Key

The Great Toy Brick Heist

Culprit: Studs Mcgee

Tower-climbing · Magnetic Gloves · Right-handed builder · Curly brown hair · Slippery slopes

Trail: Start 21 → Clue 1 19 → Clue 2 13 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE SNEAKY VILLAIN DOES NOT USE A POWER DRILL"

$9 + 23 = 32$ (T) · $12 + 22 = 34$ (L) · $17 + 24 = 41$ (R) · $39 + 25 = 64$ (A) · $33 + 39 = 72$ (O) · $52 + 28 = 80$ (V) · $13 + 20 = 33$ (D) · $21 + 9 = 30$ (H) · $61 + 27 = 88$ (I) · $38 + 29 = 67$ (K) · $20 + 22 = 42$ (Y) · $25 + 10 = 35$ (U) · $60 + 30 = 90$ (E) · $55 + 36 = 91$ (S) · $37 + 60 = 97$ (P) · $48 + 45 = 93$ (W) · $15 + 11 = 26$ (N)

Clue 2 (Subtraction): "THE FOOTPRINTS PROVE A RIGHT HANDED BUILDER"

$57 - 35 = 22$ (T) · $66 - 8 = 58$ (O) · $47 - 3 = 44$ (G) · $71 - 9 = 62$ (S) · $35 - 18 = 17$ (D) · $92 - 6 = 86$ (L) · $74 - 26 = 48$ (R) · $74 - 6 = 68$ (V) · $39 - 11 = 28$ (I) · $92 - 8 = 84$ (N) · $113 - 28 = 85$ (H) · $65 - 19 = 46$ (B) · $91 - 35 = 56$ (P) · $47 - 7 = 40$ (U) · $103 - 37 = 66$ (A) · $105 - 28 = 77$ (E) · $98 - 24 = 74$ (F)

Clue 3 (Word problems): "SLIPPERY SLOPES"

There were 38 plastic studs. 2 were used up. How many plastic studs are left? = 36 (S) · Master builder found 4 yellow tiles yesterday and 3 more today. How many yellow tiles in all? = 7 (I) · There were 25 plastic studs. 10 were used up. How many plastic studs are left? = 15 (P) · Master builder lined up 11 rows of 2 yellow tiles. How many yellow tiles in all? = 22 (R) · Master builder found 25 red bricks yesterday and 9 more today. How many red bricks in all? = 34 (E) · There were 39 yellow tiles. 7 were used up. How many yellow tiles are left? = 32 (Y) · Master builder lined up 3 rows of 7 red bricks. How many red bricks in all? = 21 (L)

Clue 4 (Place value): "WE SPOTTED CURLY BROWN HAIR IN THE CLAY"

What number has 6 tens and 3 ones? = 63 (W) · What number has 7 tens and 9 ones? = 79 (Y) · What number has 2 tens and 1 one? = 21 (H) · What number has 4 tens and 9 ones? = 49 (P) · What number has 4 tens and 6 ones? = 46 (A) · What number has 2 tens and 7 ones? = 27 (B) · What number has 7 tens and 6 ones? = 76 (U) · What number has 9 tens and 5 ones? = 95 (S) · What number has 5 tens and 9 ones? = 59 (L) · What number has 6 tens and 8 ones? = 68 (C) · What number has 2 tens and 9 ones? = 29 (I) · What number has 9 tens and 9 ones? = 99 (R) · What number has 5 tens and 1 one? = 51 (N) · What number has 1 ten and 5 ones? = 15 (O) · What number has 2 tens and 8 ones? = 28 (D) · What number has 3 tens and 0 ones? = 30 (T) · What number has 1 ten and 3 ones? = 13 (E)

Clue 5 (Missing addends): surviving statement is box 12 → Studs Mcgee

$10 + \underline{\quad} = 20 = 10$ · $6 + \underline{\quad} = 7 = 1$ · $4 + \underline{\quad} = 11 = 7$ · $10 + \underline{\quad} = 16 = 6$ · $4 + \underline{\quad} = 15 = 11$ · $3 + \underline{\quad} = 8 = 5$ · $5 + \underline{\quad} = 7 = 2$ · $10 + \underline{\quad} = 19 = 9$ · $10 + \underline{\quad} = 18 = 8$ · $6 + \underline{\quad} = 10 = 4$ · $5 + \underline{\quad} = 8 = 3$