



The Mystery of the Everything Toy

Grade 1 math · Addition, Subtraction, Multiplication, Rounding, Division · Reading level grades 1-2

Detective: _____ **Date:** _____

Someone took the Golden Gizmo from the giant toy shelf! This magical toy can change into anything. Shopkeeper Barnaby needs your help to find the sneaky thief before they turn the shop into jelly!

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 Toy Thief is _____

Possible suspects

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

NAME	MAGIC TRICK	SPECIAL EFFECT	SHOE COLOR	WIG COLOR	SECRET WEAKNESS
Max	Size Change	Spark Sparkle	Red Shoes	Yellow Wig	Silly Songs
Kim	Robo Flight	Glow Shine	Red Shoes	Green Wig	Silly Songs
Sky	Robo Flight	Wind Whistle	Red Shoes	Green Wig	Tickle Feathers
Sam	Robo Flight	Music Play	Blue Shoes	Green Wig	Tickle Feathers
Gus	Size Change	Music Play	Red Shoes	Yellow Wig	Silly Songs
Amy	Robo Flight	Wind Whistle	Red Shoes	Green Wig	Bright Lights
Ted	Size Change	Bubble Blow	Red Shoes	Yellow Wig	Bright Lights
Eli	Super Bounce	Glow Shine	Blue Shoes	Yellow Wig	Bright Lights
Dot	Ice Freeze	Bubble Blow	Blue Shoes	Green Wig	Silly Songs
Kai	Ice Freeze	Spark Sparkle	Red Shoes	Yellow Wig	Tickle Feathers
Ned	Size Change	Bubble Blow	Red Shoes	Green Wig	Silly Songs
Roy	Ice Freeze	Bubble Blow	Red Shoes	Yellow Wig	Bright Lights
Rex	Ice Freeze	Wind Whistle	Red Shoes	Yellow Wig	Tickle Feathers
Mia	Robo Flight	Spark Sparkle	Red Shoes	Yellow Wig	Bright Lights
Ben	Laser Blast	Wind Whistle	Red Shoes	Yellow Wig	Bright Lights
Zoe	Laser Blast	Wind Whistle	Red Shoes	Purple Wig	Silly Songs
Dan	Robo Flight	Spark Sparkle	Blue Shoes	Purple Wig	Tickle Feathers
Pip	Size Change	Spark Sparkle	Red Shoes	Yellow Wig	Bright Lights
Ava	Size Change	Bubble Blow	Red Shoes	Green Wig	Bright Lights
Meg	Robo Flight	Spark Sparkle	Red Shoes	Purple Wig	Bright Lights
Joy	Robo Flight	Bubble Blow	Blue Shoes	Yellow Wig	Bright Lights

CLUE 1 Addition

The thief knocked down two stacks of building blocks. Let us add them together to see the total mess they made.

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

T 11	6	5	T 11	6	2	5	17	7	3	5	15	16	3	T 11	6	9	19	5	
18	2	16	7	18	6	2	15	T 11	8	5									

$8 + 3 = \square \rightarrow \text{T}$	$3 + 5 = \square \rightarrow \text{L}$	$11 + 6 = \square \rightarrow \text{F}$	$2 + 1 = \square \rightarrow \text{O}$
$9 + 10 = \square \rightarrow \text{V}$	$5 + 2 = \square \rightarrow \text{D}$	$1 + 1 = \square \rightarrow \text{I}$	
$11 + 5 = \square \rightarrow \text{N}$	$3 + 2 = \square \rightarrow \text{E}$	$2 + 7 = \square \rightarrow \text{A}$	
$5 + 13 = \square \rightarrow \text{W}$	$7 + 8 = \square \rightarrow \text{S}$	$2 + 4 = \square \rightarrow \text{H}$	

Scratch space:

CLUE 2

Subtraction

The thief dropped some shiny star stickers on the rug. We had ten but now some are gone. Let us subtract to find the missing ones.

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

T			T													
15	5	6	15	5	8	6	17	8	16	14	6	1	10	8	12	9
10	6	18	16	5	7	6	16									

$20 - 5 = \square \rightarrow \text{T}$

$14 - 4 = \square \rightarrow \text{R}$

$13 - 6 = \square \rightarrow \text{O}$

$19 - 1 = \square \rightarrow \text{D}$

$17 - 5 = \square \rightarrow \text{N}$

$17 - 1 = \square \rightarrow \text{S}$

$8 - 2 = \square \rightarrow \text{E}$

$20 - 6 = \square \rightarrow \text{W}$

$20 - 3 = \square \rightarrow \text{F}$

$9 - 1 = \square \rightarrow \text{I}$

$4 - 3 = \square \rightarrow \text{A}$

$16 - 7 = \square \rightarrow \text{G}$

$7 - 2 = \square \rightarrow \text{H}$

Scratch space:

CLUE 3

Look at these neat rows of toy cars left behind! We can multiply the rows to count them up very quickly.

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

Diagram illustrating the arrangement of boxes and their associated numbers:

- Top row: 14, 90, 10, 55, 70, 1, 7, 1, 81, 1, 55, 4, 70, 16, 21, 14
- Bottom row: 12, 70, 3, 6, 90, 14, 36, 3, 6, 90, 14, 45

The boxes containing the letter 'T' are highlighted in orange.

$2 \times 7 = \square \rightarrow \boxed{\mathbf{T}}$

$3 \times 1 = \boxed{} \rightarrow \boxed{1}$

$7 \times 1 = \square \rightarrow \mathbf{N}$

$5 \times 11 = \square \rightarrow \mathbf{Y}$

$9 \times 4 = \square \rightarrow \boxed{\text{L}}$

$10 \times 7 = \boxed{} \rightarrow \boxed{\text{R}}$

$10 \times 1 = \boxed{} \rightarrow \boxed{\text{E}}$

$4 \times 3 = \square \rightarrow \mathbf{B}$

$9 \times 5 = \square \rightarrow \boxed{\text{S}}$

$10 \times 9 = \boxed{} \rightarrow \boxed{\text{H}}$

$3 \times 7 = \square \rightarrow \boxed{\mathbf{M}}$

$1 \times 4 = \square \rightarrow \boxed{\mathbf{F}}$

$4 \times 4 =$ $\rightarrow$

$1 \times 1 = \square \rightarrow \boxed{\mathbf{A}}$

$9 \times 9 =$ $\rightarrow$ **W**

$6 \times 1 = \square \rightarrow \boxed{\mathbf{G}}$

Scratch space:

CLUE 4

Rounding

The toy scale is a bit broken today. It only shows the weight of the thief's footprint rounded to the nearest ten.

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

W													W
90	800	20	600	30	80	50	60	300	800	200	200	600	90

500	900	400	60	80	50	600	20	40	60	700	400

Round 90 to the nearest ten → **W**

Round 900 to the nearest hundred → **T**

Round 800 to the nearest hundred → **E**

Round 19 to the nearest ten → **F**

Round 372 to the nearest hundred → **R**

Round 38 to the nearest ten → **H**

Round 698 to the nearest hundred → **I**

Round 274 to the nearest hundred → **Y**

Round 31 to the nearest ten → **U**

Round 498 to the nearest hundred → **S**

Round 642 to the nearest hundred → **O**

Round 76 to the nearest ten → **N**

Round 59 to the nearest ten → **A**

Round 195 to the nearest hundred → **L**

Round 48 to the nearest ten → **D**

Scratch space:

CLUE 5**Division facts (1-12) - the last clue**

We need to share these yummy space cookies equally among the helper robots so they have enough energy to clean up.

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:

$120 \div 10 = \boxed{}$

$14 \div 7 = \boxed{}$

$56 \div 7 = \boxed{}$

$30 \div 6 = \boxed{}$

$110 \div 11 = \boxed{}$

$9 \div 3 = \boxed{}$

$6 \div 1 = \boxed{}$

$11 \div 1 = \boxed{}$

$8 \div 8 = \boxed{}$

$108 \div 12 = \boxed{}$

$48 \div 12 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain shrank down to fit through the keyhole, then played a happy tune on a tiny horn.
2. The villain flew up to the high ceiling, then shot colorful sparks into the air.
3. The villain flew up to the high ceiling, then blew a cloud of sticky bubbles.
4. The villain bounced high over the counter, then whistled a very loud song.
5. The villain bounced high over the counter, then blew a cloud of sticky bubbles.
6. The villain froze the door with a blast of ice, then played a happy tune on a tiny horn.
7. The villain froze the door with a blast of ice, then blew a cloud of sticky bubbles.
8. The villain shrank down to fit through the keyhole, then shot colorful sparks into the air.
9. The villain shrank down to fit through the keyhole, then whistled a very loud song.
10. The villain bounced high over the counter, then glowed brightly in the dark shop.
11. The villain zapped the locked shelf with a laser blast, then shot colorful sparks into the air.
12. The villain shrank down to fit through the keyhole, then blew a cloud of sticky bubbles.

Answer Key

The Mystery of the Everything Toy

Culprit: Roy

Ice Freeze · Bubble Blow · Red Shoes · Yellow Wig · Bright Lights

Trail: Start 21 → Clue 1 16 → Clue 2 11 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE THIEF DOES NOT HAVE WIND WHISTLE"

$8 + 3 = 11$ (T) · $3 + 5 = 8$ (L) · $11 + 6 = 17$ (F) · $2 + 1 = 3$ (O) · $9 + 10 = 19$ (V) · $5 + 2 = 7$ (D) · $1 + 1 = 2$ (I) · $11 + 5 = 16$ (N) · $3 + 2 = 5$ (E) · $2 + 7 = 9$ (A) · $5 + 13 = 18$ (W) · $7 + 8 = 15$ (S) · $2 + 4 = 6$ (H)

Clue 2 (Subtraction): "THE THIEF IS WEARING RED SHOES"

$20 - 5 = 15$ (T) · $14 - 4 = 10$ (R) · $13 - 6 = 7$ (O) · $19 - 1 = 18$ (D) · $17 - 5 = 12$ (N) · $17 - 1 = 16$ (S) · $8 - 2 = 6$ (E) · $20 - 6 = 14$ (W) · $20 - 3 = 17$ (F) · $9 - 1 = 8$ (I) · $4 - 3 = 1$ (A) · $16 - 7 = 9$ (G) · $7 - 2 = 5$ (H)

Clue 3 (Multiplication facts (1-12)): "THEY RAN AWAY FROM THE BRIGHT LIGHTS"

$2 \times 7 = 14$ (T) · $3 \times 1 = 3$ (I) · $7 \times 1 = 7$ (N) · $5 \times 11 = 55$ (Y) · $9 \times 4 = 36$ (L) · $10 \times 7 = 70$ (R) · $10 \times 1 = 10$ (E) · $4 \times 3 = 12$ (B) · $9 \times 5 = 45$ (S) · $10 \times 9 = 90$ (H) · $3 \times 7 = 21$ (M) · $1 \times 4 = 4$ (F) · $4 \times 4 = 16$ (O) · $1 \times 1 = 1$ (A) · $9 \times 9 = 81$ (W) · $6 \times 1 = 6$ (G)

Clue 4 (Rounding): "WE FOUND A YELLOW STRAND OF HAIR"

Round 90 to the nearest ten = 90 (W) · Round 900 to the nearest hundred = 900 (T) · Round 800 to the nearest hundred = 800 (E) · Round 19 to the nearest ten = 20 (F) · Round 372 to the nearest hundred = 400 (R) · Round 38 to the nearest ten = 40 (H) · Round 698 to the nearest hundred = 700 (I) · Round 274 to the nearest hundred = 300 (Y) · Round 31 to the nearest ten = 30 (U) · Round 498 to the nearest hundred = 500 (S) · Round 642 to the nearest hundred = 600 (O) · Round 76 to the nearest ten = 80 (N) · Round 59 to the nearest ten = 60 (A) · Round 195 to the nearest hundred = 200 (L) · Round 48 to the nearest ten = 50 (D)

Clue 5 (Division facts (1-12)): surviving statement is box 7 → Roy

$120 \div 10 = 12$ · $14 \div 7 = 2$ · $56 \div 7 = 8$ · $30 \div 6 = 5$ · $110 \div 11 = 10$ · $9 \div 3 = 3$ · $6 \div 1 = 6$ · $11 \div 1 = 11$ · $8 \div 8 = 1$ · $108 \div 12 = 9$ · $48 \div 12 = 4$