



The Championship Game Glove Mystery

Grade 5 math · Multiplication, Word problems, Fractions of a number, Order of operations, Division · Reading level grades 3-4

Detective: _____ Date: _____

Right before the championship tournament at Sunnybrook Park, the lucky golden gloves went missing from the dugout! Use your detective skills and softball smarts to catch the culprit.

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 glove thief is _____

Possible suspects

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

NAME	SIGNATURE PITCH	GEAR SPECIALTY	THROWING HAND	HAIRSTYLE	FIELD TELL
Aria Glove	Riser Pop	Padded Guard	Left Handed	Blonde Ponytail	Heavy Bat Swing
Chloe Fast	Fastball Blast	Grip Tape	Right Handed	Black High Bun	Bright Pink Glove
Riley Steal	Changeup Drop	Golden Cleats	Left Handed	Black High Bun	Heavy Bat Swing
Ella Homerun	Fastball Blast	Padded Guard	Left Handed	Black High Bun	Heavy Bat Swing
Ruby Catcher	Slidestep Rush	Golden Cleats	Left Handed	Blonde Ponytail	Heavy Bat Swing
Teagan Grandslam	Fastball Blast	Visor Cap	Left Handed	Blonde Ponytail	Heavy Bat Swing
Keira Diamond	Curveball Spin	Golden Cleats	Right Handed	Blonde Ponytail	Squeaky Shoes
Maya Diamond	Riser Pop	Grip Tape	Right Handed	Black High Bun	Heavy Bat Swing
Paige Slapper	Riser Pop	Visor Cap	Left Handed	Blonde Ponytail	Heavy Bat Swing
Lily Base	Curveball Spin	Padded Guard	Right Handed	Black High Bun	Squeaky Shoes
Aubrey Fielder	Fastball Blast	Golden Cleats	Left Handed	Black High Bun	Heavy Bat Swing
Hailey Popfly	Riser Pop	Padded Guard	Left Handed	Black High Bun	Bright Pink Glove
Skylar Mound	Riser Pop	Golden Cleats	Left Handed	Blonde Ponytail	Squeaky Shoes
Piper Lineup	Riser Pop	Golden Cleats	Right Handed	Black High Bun	Heavy Bat Swing
Harper Pitch	Changeup Drop	Padded Guard	Left Handed	Brunette Braid	Squeaky Shoes
Peyton Curve	Riser Pop	Grip Tape	Left Handed	Brunette Braid	Heavy Bat Swing
Sienna Strike	Slidestep Rush	Neon Bat	Left Handed	Black High Bun	Heavy Bat Swing
Reagan Bunt	Fastball Blast	Visor Cap	Left Handed	Black High Bun	Heavy Bat Swing
Zoe Fastpitch	Fastball Blast	Visor Cap	Right Handed	Blonde Ponytail	Bright Pink Glove
Mia Hammons	Fastball Blast	Grip Tape	Left Handed	Brunette Braid	Heavy Bat Swing
Nora Outfield	Fastball Blast	Visor Cap	Left Handed	Blonde Ponytail	Squeaky Shoes

CLUE 1
Multiplication facts (1-12)

Coach Sam lines up rows of ball buckets in the equipment room to solve the mystery.

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

T									T								T
121	60	144	14	18	14	21	144	110	121	30	49	144	14	55	49	121	
66	144	99	70	99	24	81	14	49	70	110	99	21					

$11 \times 11 = \square \rightarrow$ T	$7 \times 2 = \square \rightarrow$ S	$3 \times 10 = \square \rightarrow$ D
$5 \times 11 = \square \rightarrow$ N	$9 \times 2 = \square \rightarrow$ U	$11 \times 10 = \square \rightarrow$ C
$6 \times 10 = \square \rightarrow$ H	$12 \times 12 = \square \rightarrow$ E	$11 \times 9 = \square \rightarrow$ A
$9 \times 9 = \square \rightarrow$ I	$2 \times 12 = \square \rightarrow$ V	$7 \times 3 = \square \rightarrow$ P
$7 \times 10 = \square \rightarrow$ R	$11 \times 6 = \square \rightarrow$ W	$7 \times 7 = \square \rightarrow$ O

Scratch space:

CLUE 2

Word problems

The field manager tracks down gear clues with word problems.

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

A witness saw the villain was

L								D		D
80	60	48	96	75	73	99		60		

Umpire lined up 10 rows of 8 cleats. How many cleats in all?

Answer: → **L**

Umpire found 2 foam visors yesterday and 71 more today. How many foam visors in all?

Answer: → **A**

There were 91 foam visors. 31 were used up. How many foam visors are left?

Answer: → **E**

Umpire lined up 11 rows of 9 softballs. How many softballs in all?

Answer: → **N**

Umpire lined up 12 rows of 8 softballs. How many softballs in all?

Answer: → **T**

Umpire lined up 8 rows of 6 foam visors. How many foam visors in all?

Answer: → **F**

There were 93 cleats. 18 were used up. How many cleats are left?

Answer: → **H**

Scratch space:

CLUE 3
Fractions of a number

You calculate fractions of the stolen equipment list to uncover more evidence.

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

T					T	T					T					
28	3	35	3	5	28	28	35	2	21	33	28	5	13	35	27	39

							T						
3	35	39	20	17	10	39	28	9	24	5	21	32	

$1/2 \text{ of } 56 = \square \rightarrow \boxed{\text{T}}$

$6/10 \text{ of } 45 = \square \rightarrow \boxed{\text{D}}$

$5/6 \text{ of } 42 = \square \rightarrow \boxed{\text{E}}$

$1/3 \text{ of } 60 = \square \rightarrow \boxed{\text{V}}$

$2/3 \text{ of } 15 = \square \rightarrow \boxed{\text{B}}$

$5/10 \text{ of } 42 = \square \rightarrow \boxed{\text{N}}$

$2/8 \text{ of } 96 = \square \rightarrow \boxed{\text{W}}$

$1/6 \text{ of } 102 = \square \rightarrow \boxed{\text{Y}}$

$1/4 \text{ of } 8 = \square \rightarrow \boxed{\text{R}}$

$1/5 \text{ of } 65 = \square \rightarrow \boxed{\text{C}}$

$1/4 \text{ of } 132 = \square \rightarrow \boxed{\text{O}}$

$1/5 \text{ of } 15 = \square \rightarrow \boxed{\text{H}}$

$6/8 \text{ of } 12 = \square \rightarrow \boxed{\text{S}}$

$3/6 \text{ of } 64 = \square \rightarrow \boxed{\text{G}}$

$6/10 \text{ of } 65 = \square \rightarrow \boxed{\text{A}}$

$1/3 \text{ of } 15 = \square \rightarrow \boxed{\text{I}}$

Scratch space:

CLUE 4

Order of operations

The scoreboard requires step by step operations to reveal the next clue.

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

F																	
13	53	51	59	75	28	29	41	54	14	20	41	34	23	59	61	41	23

48	34	78	54	20	61	23	60	68	53	51	59	75

$1 + 6 \times 2 = \square \rightarrow \text{F}$

$12 \times 7 - 6 = \square \rightarrow \text{T}$

$11 \times 7 - 16 = \square \rightarrow \text{E}$

$12 \times 6 - 18 = \square \rightarrow \text{C}$

$8 \times 10 - 5 = \square \rightarrow \text{D}$

$5 \times 8 - 17 = \square \rightarrow \text{R}$

$5 \times 10 - 30 = \square \rightarrow \text{H}$

$37 + 8 \times 2 = \square \rightarrow \text{O}$

$9 \times 8 - 21 = \square \rightarrow \text{U}$

$9 \times 6 - 20 = \square \rightarrow \text{I}$

$8 + 3 \times 2 = \square \rightarrow \text{K}$

$4 + 7 \times 8 = \square \rightarrow \text{S}$

$3 \times 12 - 8 = \square \rightarrow \text{B}$

$6 \times 12 - 24 = \square \rightarrow \text{P}$

$12 \times 8 - 28 = \square \rightarrow \text{M}$

$5 \times 12 - 1 = \square \rightarrow \text{N}$

$4 + 5 \times 5 = \square \rightarrow \text{L}$

$7 \times 8 - 15 = \square \rightarrow \text{A}$

Scratch space:

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

Divide the remaining softball practice drills equally to uncover the final lead.

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:

$30 \div 3 = \boxed{}$

$8 \div 2 = \boxed{}$

$9 \div 1 = \boxed{}$

$14 \div 2 = \boxed{}$

$88 \div 11 = \boxed{}$

$99 \div 9 = \boxed{}$

$36 \div 6 = \boxed{}$

$18 \div 9 = \boxed{}$

$11 \div 11 = \boxed{}$

$84 \div 7 = \boxed{}$

$60 \div 12 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain launched a high riser pop, then strapped on a padded guard.
2. The villain threw a quick fastball blast, then wrapped new grip tape.
3. The villain threw a quick fastball blast, then strapped on a padded guard.
4. The villain executed a swift slidestep rush, then swung the neon bat.
5. The villain spun a heavy curveball pitch, then laced up golden cleats.
6. The villain launched a high riser pop, then wrapped new grip tape.
7. The villain launched a high riser pop, then laced up golden cleats.
8. The villain spun a heavy curveball pitch, then wrapped new grip tape.
9. The villain tossed a sneaky changeup drop, then laced up golden cleats.
10. The villain threw a quick fastball blast, then laced up golden cleats.
11. The villain tossed a sneaky changeup drop, then strapped on a padded guard.
12. The villain executed a swift slidestep rush, then wrapped new grip tape.

Answer Key

The Championship Game Glove Mystery

Culprit: Ella Homerun

Fastball Blast · Padded Guard · Left Handed · Black High Bun · Heavy Bat Swing

Trail: Start 21 → Clue 1 16 → Clue 2 11 → Clue 3 8 → Clue 4 4 → Clue 5 1

Clue 1 (Multiplication facts (1-12)): "THE SUSPECT DOES NOT WEAR A VISOR CAP"

$11 \times 11 = 121$ (T) · $7 \times 2 = 14$ (S) · $3 \times 10 = 30$ (D) · $5 \times 11 = 55$ (N) · $9 \times 2 = 18$ (U) · $11 \times 10 = 110$ (C) · $6 \times 10 = 60$ (H) · $12 \times 12 = 144$ (E) · $11 \times 9 = 99$ (A) · $9 \times 9 = 81$ (I) · $2 \times 12 = 24$ (V) · $7 \times 3 = 21$ (P) · $7 \times 10 = 70$ (R) · $11 \times 6 = 66$ (W) · $7 \times 7 = 49$ (O)

Clue 2 (Word problems): "LEFT HANDED"

Umpire lined up 10 rows of 8 cleats. How many cleats in all? = 80 (L) · Umpire found 2 foam visors yesterday and 71 more today. How many foam visors in all? = 73 (A) · There were 91 foam visors. 31 were used up. How many foam visors are left? = 60 (E) · Umpire lined up 11 rows of 9 softballs. How many softballs in all? = 99 (N) · Umpire lined up 12 rows of 8 softballs. How many softballs in all? = 96 (T) · Umpire lined up 8 rows of 6 foam visors. How many foam visors in all? = 48 (F) · There were 93 cleats. 18 were used up. How many cleats are left? = 75 (H)

Clue 3 (Fractions of a number): "THE HITTER NOTICED A HEAVY BAT SWING"

$\frac{1}{2}$ of 56 = 28 (T) · $\frac{6}{10}$ of 45 = 27 (D) · $\frac{5}{6}$ of 42 = 35 (E) · $\frac{1}{3}$ of 60 = 20 (V) · $\frac{2}{3}$ of 15 = 10 (B) · $\frac{5}{10}$ of 42 = 21 (N) · $\frac{2}{8}$ of 96 = 24 (W) · $\frac{1}{6}$ of 102 = 17 (Y) · $\frac{1}{4}$ of 8 = 2 (R) · $\frac{1}{5}$ of 65 = 13 (C) · $\frac{1}{4}$ of 132 = 33 (O) · $\frac{1}{5}$ of 15 = 3 (H) · $\frac{6}{8}$ of 12 = 9 (S) · $\frac{3}{6}$ of 64 = 32 (G) · $\frac{6}{10}$ of 65 = 39 (A) · $\frac{1}{3}$ of 15 = 5 (I)

Clue 4 (Order of operations): "FOUND BLACK HAIR NEAR PITCHERS MOUND"

$1 + 6 \times 2 = 13$ (F) · $12 \times 7 - 6 = 78$ (T) · $11 \times 7 - 16 = 61$ (E) · $12 \times 6 - 18 = 54$ (C) · $8 \times 10 - 5 = 75$ (D) · $5 \times 8 - 17 = 23$ (R) · $5 \times 10 - 30 = 20$ (H) · $37 + 8 \times 2 = 53$ (O) · $9 \times 8 - 21 = 51$ (U) · $9 \times 6 - 20 = 34$ (I) · $8 + 3 \times 2 = 14$ (K) · $4 + 7 \times 8 = 60$ (S) · $3 \times 12 - 8 = 28$ (B) · $6 \times 12 - 24 = 48$ (P) · $12 \times 8 - 28 = 68$ (M) · $5 \times 12 - 1 = 59$ (N) · $4 + 5 \times 5 = 29$ (L) · $7 \times 8 - 15 = 41$ (A)

Clue 5 (Division facts (1-12)): surviving statement is box 3 → Ella Homerun

$30 \div 3 = 10$ · $8 \div 2 = 4$ · $9 \div 1 = 9$ · $14 \div 2 = 7$ · $88 \div 11 = 8$ · $99 \div 9 = 11$ · $36 \div 6 = 6$ · $18 \div 9 = 2$ · $11 \div 11 = 1$ · $84 \div 7 = 12$ · $60 \div 12 = 5$