



The Great Stadium Sneak

Grade 4 math · Multiplication, Rounding, Fractions of a number, Place value · Reading level grades 3-4

Detective: _____ Date: _____

Someone snuck into Champion Stadium right before the big game and hid the golden championship trophy! Work through the sports clues to find out who did 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 Stadium Sneak is _____

Possible suspects

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

NAME	PRIZE GEAR	FOOTWEAR	DOMINANT HAND	HELMET COLOR	WEAKNESS
Sydney McLaughlin	Gold Medal	Padded Gloves	Right Handed	Gold Helmet	Loud Whistles
A'ja Wilson	Silver Trophy	Turf Cleats	Left Handed	Red Helmet	Slippery Ice
Lionel Messi	Bronze Shield	Turf Cleats	Right Handed	Red Helmet	Bright Lights
Novak Djokovic	Silver Trophy	Grip Socks	Right Handed	Red Helmet	Loud Whistles
Shohei Ohtani	Bronze Shield	Padded Gloves	Right Handed	Gold Helmet	Loud Whistles
LeBron James	Silver Trophy	Turf Cleats	Left Handed	Gold Helmet	Bright Lights
Patrick Mahomes	Silver Trophy	Grip Socks	Right Handed	Blue Helmet	Bright Lights
Connor McDavid	Champion Ring	Padded Gloves	Right Handed	Blue Helmet	Bright Lights
Giannis Antetokounmpo	MVP Banner	High Top Boots	Left Handed	Red Helmet	Bright Lights
Tom Brady	Silver Trophy	Grip Socks	Left Handed	Red Helmet	Slippery Ice
Caitlin Clark	Champion Ring	High Top Boots	Right Handed	Gold Helmet	Loud Whistles
Travis Kelce	Bronze Shield	High Top Boots	Left Handed	Gold Helmet	Loud Whistles
Alex Morgan	MVP Banner	High Top Boots	Right Handed	Blue Helmet	Bright Lights
Naomi Osaka	Champion Ring	Speed Sneakers	Left Handed	Blue Helmet	Bright Lights
Simone Biles	Champion Ring	Turf Cleats	Right Handed	Blue Helmet	Slippery Ice
Sha'Carri Richardson	Gold Medal	High Top Boots	Right Handed	Blue Helmet	Loud Whistles
Katie Ledecky	Bronze Shield	Turf Cleats	Left Handed	Gold Helmet	Loud Whistles
Mikaela Shiffrin	Gold Medal	Grip Socks	Right Handed	Gold Helmet	Slippery Ice
Steph Curry	Silver Trophy	Turf Cleats	Right Handed	Blue Helmet	Bright Lights
Kylian Mbappe	Silver Trophy	Speed Sneakers	Right Handed	Blue Helmet	Bright Lights
Megan Rapinoe	Gold Medal	Turf Cleats	Left Handed	Gold Helmet	Slippery Ice

CLUE 1
Multiplication facts (1-12)

Coach needs to check how many soccer balls are stored in the equipment rack. Each shelf holds equal groups.

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

T																		
18	121	15	24	7	15	54	88	20	110	121	54	2	56	30	11	15	24	
		T																
7	11	18	60	15	54	144	56	54	30	30	15	30	9	6	11	96	15	24

$9 \times 2 = \square \rightarrow$ T	$11 \times 11 = \square \rightarrow$ H	$5 \times 3 = \square \rightarrow$ E	
$12 \times 8 = \square \rightarrow$ V	$5 \times 12 = \square \rightarrow$ W	$3 \times 3 = \square \rightarrow$ G	
$6 \times 1 = \square \rightarrow$ L	$12 \times 12 = \square \rightarrow$ R	$5 \times 6 = \square \rightarrow$ D	
$8 \times 3 = \square \rightarrow$ S	$2 \times 1 = \square \rightarrow$ M	$11 \times 8 = \square \rightarrow$ K	$6 \times 9 = \square \rightarrow$ A
$4 \times 5 = \square \rightarrow$ Y	$10 \times 11 = \square \rightarrow$ C	$7 \times 8 = \square \rightarrow$ P	
$7 \times 1 = \square \rightarrow$ N	$1 \times 11 = \square \rightarrow$ O		

Scratch space:

CLUE 2
Rounding

The stadium scoreboard flashed the total attendance, but it rounds the big number to the nearest hundred.

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

T																		
700	1700	20	110	130	20	370	900	90	290	1700	370	430	1100	170	110	20	50	370

				T														
30	200	4300	1700	700	1700	370	130	50	20	50	4300	30	200	1100				

Round 731 to the nearest hundred → **T**

Round 27 to the nearest ten → **R**

Round 171 to the nearest ten → **U**

Round 857 to the nearest hundred → **K**

Round 368 to the nearest ten → **A**

Round 1,723 to the nearest hundred → **H**

Round 429 to the nearest ten → **M**

Round 87 to the nearest ten → **Y**

Round 4,265 to the nearest hundred → **G**

Round 114 to the nearest ten → **S**

Round 154 to the nearest hundred → **I**

Round 48 to the nearest ten → **D**

Round 289 to the nearest ten → **C**

Round 1,111 to the nearest hundred → **P**

Round 129 to the nearest ten → **N**

Round 19 to the nearest ten → **E**

Scratch space:

CLUE 3
Fractions of a number

The head referee reviewed a fraction of the total game film footage to find a clue.

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

T																	
38	26	15	7	8	15	40	30	29	5	26	40	14	13	2	40	7	
																	T
6	33	10	8	32	15	32	6	29	6	39	10	11	26	38			
				T													
33	10	11	26	38	7												

$4/6 \text{ of } 57 = \square \rightarrow \text{T}$

$1/4 \text{ of } 44 = \square \rightarrow \text{G}$

$2/5 \text{ of } 65 = \square \rightarrow \text{H}$

$1/3 \text{ of } 30 = \square \rightarrow \text{I}$

$3/10 \text{ of } 20 = \square \rightarrow \text{B}$

$3/5 \text{ of } 55 = \square \rightarrow \text{L}$

$2/10 \text{ of } 65 = \square \rightarrow \text{P}$

$2/6 \text{ of } 96 = \square \rightarrow \text{D}$

$2/6 \text{ of } 6 = \square \rightarrow \text{W}$

$6/8 \text{ of } 20 = \square \rightarrow \text{E}$

$2/6 \text{ of } 42 = \square \rightarrow \text{M}$

$1/5 \text{ of } 40 = \square \rightarrow \text{N}$

$2/10 \text{ of } 145 = \square \rightarrow \text{Y}$

$1/2 \text{ of } 10 = \square \rightarrow \text{C}$

$1/3 \text{ of } 21 = \square \rightarrow \text{S}$

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

$4/8 \text{ of } 80 = \square \rightarrow \text{A}$

$2/5 \text{ of } 75 = \square \rightarrow \text{K}$

Scratch space:

CLUE 4 Place value

The stadium security team examined a digits key on a locked locker door to decode the combo.

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

T														
9000	700	20	800	900	20	60	90	2000	80	700	60	200	5000	

															T		
7000	70	1000	5000	5000	20	7000	60	100	400	6000	20	700	20	400	200	20	9000

What is the value of the 9 in 49,700?

→ **T**

What is the value of the 2 in 329?

→ **E**

What is the value of the 1 in 1,036?

→ **O**

What is the value of the 2 in 8,200?

→ **M**

What is the value of the 9 in 5,592?

→ **K**

What is the value of the 4 in 6,420?

→ **L**

What is the value of the 7 in 7,321?

→ **D**

What is the value of the 2 in 92,699?

→ **Y**

What is the value of the 1 in 185?

→ **B**

What is the value of the 5 in 65,417?

→ **P**

What is the value of the 9 in 2,957?

→ **N**

What is the value of the 7 in 973?

→ **R**

What is the value of the 6 in 4,167?

→ **A**

What is the value of the 8 in 9,381?

→ **C**

What is the value of the 7 in 3,722?

→ **H**

What is the value of the 6 in 6,793?

→ **U**

What is the value of the 8 in 1,837?

→ **S**

Scratch space:

CLUE 5**Fractions of a number - the last clue**

The field supervisor checked a fraction of the total inventory boxes stored under the bleachers.

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:

$4/10 \text{ of } 20 = \boxed{}$

$1/10 \text{ of } 110 = \boxed{}$

$1/2 \text{ of } 2 = \boxed{}$

$1/8 \text{ of } 16 = \boxed{}$

$3/5 \text{ of } 10 = \boxed{}$

$6/10 \text{ of } 15 = \boxed{}$

$1/2 \text{ of } 8 = \boxed{}$

$3/6 \text{ of } 24 = \boxed{}$

$2/8 \text{ of } 28 = \boxed{}$

$5/6 \text{ of } 6 = \boxed{}$

$5/10 \text{ of } 20 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain swiped the mvp banner, then snuck away in high top boots.
2. The villain swiped the mvp banner, then dashed away in speed sneakers.
3. The villain snapped the silver trophy, then zipped off in grip socks.
4. The villain grabbed the champion ring, then dashed away in speed sneakers.
5. The villain stole the gold medal, then snuck away in high top boots.
6. The villain took the bronze shield, then zipped off in grip socks.
7. The villain took the bronze shield, then bolted off in turf cleats.
8. The villain snapped the silver trophy, then dashed away in speed sneakers.
9. The villain grabbed the champion ring, then escaped while wearing padded gloves.
10. The villain stole the gold medal, then dashed away in speed sneakers.
11. The villain snapped the silver trophy, then bolted off in turf cleats.
12. The villain took the bronze shield, then dashed away in speed sneakers.

Answer Key

The Great Stadium Sneak

Culprit: Patrick Mahomes

Silver Trophy · Grip Socks · Right Handed · Blue Helmet · Bright Lights

Trail: Start 21 → Clue 1 18 → Clue 2 10 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Multiplication facts (1-12)): "THE SNEAKY CHAMP DOES NOT WEAR PADDED GLOVES"

$9 \times 2 = 18$ (T) · $11 \times 11 = 121$ (H) · $5 \times 3 = 15$ (E) · $12 \times 8 = 96$ (V) · $5 \times 12 = 60$ (W) · $3 \times 3 = 9$ (G) · $6 \times 1 = 6$ (L) · $12 \times 12 = 144$ (R) · $5 \times 6 = 30$ (D) · $8 \times 3 = 24$ (S) · $2 \times 1 = 2$ (M) · $11 \times 8 = 88$ (K) · $6 \times 9 = 54$ (A) · $4 \times 5 = 20$ (Y) · $10 \times 11 = 110$ (C) · $7 \times 8 = 56$ (P) · $7 \times 1 = 7$ (N) · $1 \times 11 = 11$ (O)

Clue 2 (Rounding): "THE SNEAKY CHAMP USED A RIGHT HANDED GRIP"

Round 731 to the nearest hundred = 700 (T) · Round 27 to the nearest ten = 30 (R) · Round 171 to the nearest ten = 170 (U) · Round 857 to the nearest hundred = 900 (K) · Round 368 to the nearest ten = 370 (A) · Round 1,723 to the nearest hundred = 1700 (H) · Round 429 to the nearest ten = 430 (M) · Round 87 to the nearest ten = 90 (Y) · Round 4,265 to the nearest hundred = 4300 (G) · Round 114 to the nearest ten = 110 (S) · Round 154 to the nearest hundred = 200 (I) · Round 48 to the nearest ten = 50 (D) · Round 289 to the nearest ten = 290 (C) · Round 1,111 to the nearest hundred = 1100 (P) · Round 129 to the nearest ten = 130 (N) · Round 19 to the nearest ten = 20 (E)

Clue 3 (Fractions of a number): "THE SNEAKY CHAMP WAS BLINDED BY BRIGHT LIGHTS"

$\frac{4}{6}$ of 57 = 38 (T) · $\frac{1}{4}$ of 44 = 11 (G) · $\frac{2}{5}$ of 65 = 26 (H) · $\frac{1}{3}$ of 30 = 10 (I) · $\frac{3}{10}$ of 20 = 6 (B) · $\frac{3}{5}$ of 55 = 33 (L) · $\frac{2}{10}$ of 65 = 13 (P) · $\frac{2}{6}$ of 96 = 32 (D) · $\frac{2}{6}$ of 6 = 2 (W) · $\frac{6}{8}$ of 20 = 15 (E) · $\frac{2}{6}$ of 42 = 14 (M) · $\frac{1}{5}$ of 40 = 8 (N) · $\frac{2}{10}$ of 145 = 29 (Y) · $\frac{1}{2}$ of 10 = 5 (C) · $\frac{1}{3}$ of 21 = 7 (S) · $\frac{6}{10}$ of 65 = 39 (R) · $\frac{4}{8}$ of 80 = 40 (A) · $\frac{2}{5}$ of 75 = 30 (K)

Clue 4 (Place value): "THE SNEAKY CHAMP DROPPED A BLUE HELMET"

What is the value of the 9 in 49,700? = 9000 (T) · What is the value of the 2 in 329? = 20 (E) · What is the value of the 1 in 1,036? = 1000 (O) · What is the value of the 2 in 8,200? = 200 (M) · What is the value of the 9 in 5,592? = 90 (K) · What is the value of the 4 in 6,420? = 400 (L) · What is the value of the 7 in 7,321? = 7000 (D) · What is the value of the 2 in 92,699? = 2000 (Y) · What is the value of the 1 in 185? = 100 (B) · What is the value of the 5 in 65,417? = 5000 (P) · What is the value of the 9 in 2,957? = 900 (N) · What is the value of the 7 in 973? = 70 (R) · What is the value of the 6 in 4,167? = 60 (A) · What is the value of the 8 in 9,381? = 80 (C) · What is the value of the 7 in 3,722? = 700 (H) · What is the value of the 6 in 6,793? = 6000 (U) · What is the value of the 8 in 1,837? = 800 (S)

Clue 5 (Fractions of a number): surviving statement is box 3 → Patrick Mahomes

$\frac{4}{10}$ of 20 = 8 · $\frac{1}{10}$ of 110 = 11 · $\frac{1}{2}$ of 2 = 1 · $\frac{1}{8}$ of 16 = 2 · $\frac{3}{5}$ of 10 = 6 · $\frac{6}{10}$ of 15 = 9 · $\frac{1}{2}$ of 8 = 4 · $\frac{3}{6}$ of 24 = 12 · $\frac{2}{8}$ of 28 = 7 · $\frac{5}{6}$ of 6 = 5 · $\frac{5}{10}$ of 20 = 10