



The Stolen Golden Boot

Grade 5 math · Fractions of a number, Order of operations, Multiplication, Rounding · Reading level grades 5-6

Detective: _____ Date: _____

Someone swiped the Golden Boot trophy right before the final whistle of the tournament! Detective, review the match stats and suspect profiles to uncover 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 pitch snatcher is _____

Possible suspects

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

NAME	SIGNATURE MOVE	FAVORITE GEAR	STANCE	HEADBAND COLOR	COUNTER STRATEGY
Harry Kane	Rainbow Flick	Padded Gloves	Right Footed	Black Headband	High Press
Rodri	Curving Free Kick	Captain Armband	Left Footed	Black Headband	High Press
Kylian Mbappe	Bicycle Kick	Padded Gloves	Right Footed	Blue Headband	Offside Trap
Lionel Messi	Power Header	Grip Socks	Right Footed	Blue Headband	Offside Trap
Mohamed Salah	Rainbow Flick	Grip Socks	Left Footed	Blue Headband	Zonal Marking
Pedri	Rainbow Flick	Padded Gloves	Left Footed	Black Headband	Offside Trap
Bukayo Saka	Slide Tackle	Captain Armband	Left Footed	Blue Headband	Offside Trap
Jude Bellingham	Bicycle Kick	Captain Armband	Right Footed	Blue Headband	Offside Trap
Cristiano Ronaldo	Slide Tackle	Neon Cleats	Left Footed	Blue Headband	Zonal Marking
Bruno Fernandes	Power Header	Neon Cleats	Right Footed	Black Headband	High Press
Declan Rice	Rainbow Flick	Padded Gloves	Right Footed	Black Headband	Offside Trap
Antoine Griezmann	Rainbow Flick	Neon Cleats	Left Footed	Black Headband	Offside Trap
Jamal Musiala	Slide Tackle	Captain Armband	Right Footed	Blue Headband	Offside Trap
Son Heungmin	Curving Free Kick	Neon Cleats	Left Footed	Black Headband	Zonal Marking
Virgil van Dijk	Slide Tackle	Captain Armband	Right Footed	Black Headband	Zonal Marking
Alphonso Davies	Slide Tackle	Shin Guards	Left Footed	Blue Headband	Offside Trap
Erling Haaland	Rainbow Flick	Grip Socks	Right Footed	Blue Headband	Offside Trap
Sam Kerr	Slide Tackle	Padded Gloves	Right Footed	Blue Headband	High Press
Luka Modric	Slide Tackle	Grip Socks	Right Footed	Red Headband	High Press
Trent Alexander	Curving Free Kick	Grip Socks	Left Footed	Black Headband	Offside Trap
Kevin De Bruyne	Rainbow Flick	Shin Guards	Right Footed	Blue Headband	Offside Trap

Fractions of a number

The assistant coach counted a fraction of the practice balls left on the field to narrow down suspect gear.

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

6 19 13 10 28 10 16 13 30 6 37 3 13 10 5 3 6

8 13 39 27 26 27 4 16 10 3 30 18 10

$$\frac{1}{2} \text{ of } 12 = \boxed{} \rightarrow \boxed{\text{T}}$$

$$\frac{1}{3} \text{ of } 24 = \boxed{} \rightarrow \boxed{\text{W}}$$

$\frac{1}{2}$ of 74 = $\rightarrow$ **D**

5/10 of 6 = → **0**

$1/10$ of 130 = $\rightarrow$ **E**

$2/10$ of $150 = \boxed{} \rightarrow \boxed{\text{C}}$

$6/8$ of $24 = \square \rightarrow \mathbf{K}$

$$2/6 \text{ of } 15 = \boxed{} \rightarrow \boxed{\text{N}}$$

5/10 of 38 = → **H**

$\frac{1}{3}$ of 30 = $\rightarrow$ **S**

$4/8$ of 8 = $\rightarrow$

$$\frac{1}{2} \text{ of } 32 = \boxed{} \rightarrow \boxed{\text{P}}$$

$1/5$ of 195 = $\rightarrow$ **A**

8/10 of 35 = → **U**

$$\frac{1}{3} \text{ of } 81 = \boxed{} \rightarrow \boxed{\text{R}}$$

4/10 of 65 = → **G**

Scratch space:

CLUE 2

Order of operations

To decode the locker room security log, solve the equation combining drill reps and player jersey numbers.

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

M																		
8	6	9	49	29	72	40	36	68	68	28	15	64	72	29	58	27	28	49

61	15	15	49	32	9	36	58	40	36

$2 + 3 \times 2 = \square \rightarrow \boxed{\text{M}}$

$10 \times 5 - 21 = \square \rightarrow \boxed{\text{R}}$

$10 \times 8 - 16 = \square \rightarrow \boxed{\text{W}}$

$31 + 9 \times 2 = \square \rightarrow \boxed{\text{T}}$

$8 + 4 \times 5 = \square \rightarrow \boxed{\text{H}}$

$2 + 2 \times 2 = \square \rightarrow \boxed{\text{U}}$

$18 + 2 \times 9 = \square \rightarrow \boxed{\text{K}}$

$7 + 5 \times 4 = \square \rightarrow \boxed{\text{G}}$

$14 + 2 \times 9 = \square \rightarrow \boxed{\text{E}}$

$8 \times 10 - 12 = \square \rightarrow \boxed{\text{S}}$

$6 \times 11 - 8 = \square \rightarrow \boxed{\text{I}}$

$21 + 8 \times 5 = \square \rightarrow \boxed{\text{F}}$

$3 + 3 \times 2 = \square \rightarrow \boxed{\text{D}}$

$5 \times 12 - 20 = \square \rightarrow \boxed{\text{C}}$

$52 + 4 \times 5 = \square \rightarrow \boxed{\text{A}}$

$6 + 3 \times 3 = \square \rightarrow \boxed{\text{O}}$

Scratch space:

CLUE 3
Multiplication facts (1-12)

The equipment room has identical racks holding rows of cleats, giving us a quick count of missing items.

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

T												T						
18	108	50	21	50	25	50	8	120	50	120	18	10	2	2	50	21		

T						T												
18	108	50	35	63	40	18	108	11	8	10	25	25	120	40	21	50		

T			
18	48	11	2

$2 \times 9 = \square \rightarrow \boxed{\text{T}}$

$3 \times 7 = \square \rightarrow \boxed{\text{D}}$

$1 \times 11 = \square \rightarrow \boxed{\text{A}}$

$10 \times 12 = \square \rightarrow \boxed{\text{S}}$

$8 \times 1 = \square \rightarrow \boxed{\text{N}}$

$2 \times 5 = \square \rightarrow \boxed{\text{O}}$

$7 \times 5 = \square \rightarrow \boxed{\text{M}}$

$9 \times 12 = \square \rightarrow \boxed{\text{H}}$

$10 \times 4 = \square \rightarrow \boxed{\text{I}}$

$7 \times 9 = \square \rightarrow \boxed{\text{W}}$

$2 \times 1 = \square \rightarrow \boxed{\text{P}}$

$5 \times 5 = \square \rightarrow \boxed{\text{F}}$

$8 \times 6 = \square \rightarrow \boxed{\text{R}}$

$5 \times 10 = \square \rightarrow \boxed{\text{E}}$

Scratch space:

CLUE 4 Rounding

The stadium digital scoreboard only displays attendance rounded to the nearest thousand, giving us a rough tally.

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

A								A			A					A	
230	90	430	200	3000	110	3000	230	130	90	230	50	130	5000	230	700		
								A									
130	4300	290	2300	2300	3000	130	50	3000	230	4300	70	110	3000	70	4300	290	2300

Round 232 to the nearest ten → **A**

Round 3,064 to the nearest thousand → **E**

Round 66 to the nearest ten → **T**

Round 177 to the nearest hundred → **U**

Round 2,917 to the nearest hundred → **Y**

Round 433 to the nearest ten → **L**

Round 289 to the nearest ten → **O**

Round 4,594 to the nearest thousand → **W**

Round 134 to the nearest ten → **D**

Round 2,303 to the nearest hundred → **P**

Round 49 to the nearest ten → **N**

Round 107 to the nearest ten → **H**

Round 87 to the nearest ten → **B**

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

Round 4,280 to the nearest hundred → **R**

Scratch space:

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

Analyzing a fraction of the stadium video footage helped spot a key clue near the goal line.

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:

$2/8 \text{ of } 36 = \boxed{}$

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

$1/2 \text{ of } 22 = \boxed{}$

$1/5 \text{ of } 20 = \boxed{}$

$1/3 \text{ of } 24 = \boxed{}$

$1/4 \text{ of } 4 = \boxed{}$

$4/8 \text{ of } 14 = \boxed{}$

$1/3 \text{ of } 9 = \boxed{}$

$3/6 \text{ of } 10 = \boxed{}$

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

$4/10 \text{ of } 30 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain made a reckless slide tackle, then adjusted padded gloves.
2. The villain executed a bicycle kick near the net, then adjusted padded gloves.
3. The villain scored with a power header, then adjusted the captain armband.
4. The villain scored with a power header, then pulled up grip socks.
5. The villain scored with a power header, then adjusted padded gloves.
6. The villain executed a bicycle kick near the net, then adjusted the captain armband.
7. The villain made a reckless slide tackle, then pulled up grip socks.
8. The villain made a reckless slide tackle, then strapped on shin guards.
9. The villain showed off a rainbow flick, then strapped on shin guards.
10. The villain curled a free kick around the wall, then pulled up grip socks.
11. The villain made a reckless slide tackle, then adjusted the captain armband.
12. The villain showed off a rainbow flick, then adjusted the captain armband.

Answer Key

The Stolen Golden Boot

Culprit: Jude Bellingham

Bicycle Kick · Captain Armband · Right Footed · Blue Headband · Offside Trap

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

Clue 1 (Fractions of a number): "THE SUSPECT DOES NOT WEAR GRIP SOCKS"

$\frac{1}{2}$ of 12 = 6 (T) · $\frac{1}{3}$ of 24 = 8 (W) · $\frac{1}{2}$ of 74 = 37 (D) · $\frac{5}{10}$ of 6 = 3 (O) · $\frac{1}{10}$ of 130 = 13 (E) · $\frac{2}{10}$ of 150 = 30 (C) · $\frac{6}{8}$ of 24 = 18 (K) · $\frac{2}{6}$ of 15 = 5 (N) · $\frac{5}{10}$ of 38 = 19 (H) · $\frac{1}{3}$ of 30 = 10 (S) · $\frac{4}{8}$ of 8 = 4 (I) · $\frac{1}{2}$ of 32 = 16 (P) · $\frac{1}{5}$ of 195 = 39 (A) · $\frac{8}{10}$ of 35 = 28 (U) · $\frac{1}{3}$ of 81 = 27 (R) · $\frac{4}{10}$ of 65 = 26 (G)

Clue 2 (Order of operations): "MUD TRACKS SHOW A RIGHT FOOTED KICK"

$2 + 3 \times 2 = 8$ (M) · $10 \times 5 - 21 = 29$ (R) · $10 \times 8 - 16 = 64$ (W) · $31 + 9 \times 2 = 49$ (T) · $8 + 4 \times 5 = 28$ (H) · $2 + 2 \times 2 = 6$ (U) · $18 + 2 \times 9 = 36$ (K) · $7 + 5 \times 4 = 27$ (G) · $14 + 2 \times 9 = 32$ (E) · $8 \times 10 - 12 = 68$ (S) · $6 \times 11 - 8 = 58$ (I) · $21 + 8 \times 5 = 61$ (F) · $3 + 3 \times 2 = 9$ (D) · $5 \times 12 - 20 = 40$ (C) · $52 + 4 \times 5 = 72$ (A) · $6 + 3 \times 3 = 15$ (O)

Clue 3 (Multiplication facts (1-12)): "THE DEFENSE STOPPED THEM WITH AN OFFSIDE TRAP"

$2 \times 9 = 18$ (T) · $3 \times 7 = 21$ (D) · $1 \times 11 = 11$ (A) · $10 \times 12 = 120$ (S) · $8 \times 1 = 8$ (N) · $2 \times 5 = 10$ (O) · $7 \times 5 = 35$ (M) · $9 \times 12 = 108$ (H) · $10 \times 4 = 40$ (I) · $7 \times 9 = 63$ (W) · $2 \times 1 = 2$ (P) · $5 \times 5 = 25$ (F) · $8 \times 6 = 48$ (R) · $5 \times 10 = 50$ (E)

Clue 4 (Rounding): "A BLUE HEADBAND WAS DROPPED NEAR THE TROPHY"

Round 232 to the nearest ten = 230 (A) · Round 3,064 to the nearest thousand = 3000 (E) · Round 66 to the nearest ten = 70 (T) · Round 177 to the nearest hundred = 200 (U) · Round 2,917 to the nearest hundred = 2900 (Y) · Round 433 to the nearest ten = 430 (L) · Round 289 to the nearest ten = 290 (O) · Round 4,594 to the nearest thousand = 5000 (W) · Round 134 to the nearest ten = 130 (D) · Round 2,303 to the nearest hundred = 2300 (P) · Round 49 to the nearest ten = 50 (N) · Round 107 to the nearest ten = 110 (H) · Round 87 to the nearest ten = 90 (B) · Round 698 to the nearest hundred = 700 (S) · Round 4,280 to the nearest hundred = 4300 (R)

Clue 5 (Fractions of a number): surviving statement is box 6 → Jude Bellingham

$\frac{2}{8}$ of 36 = 9 · $\frac{1}{4}$ of 8 = 2 · $\frac{1}{2}$ of 22 = 11 · $\frac{1}{5}$ of 20 = 4 · $\frac{1}{3}$ of 24 = 8 · $\frac{1}{4}$ of 4 = 1 · $\frac{4}{8}$ of 14 = 7 · $\frac{1}{3}$ of 9 = 3 · $\frac{3}{6}$ of 10 = 5 · $\frac{5}{10}$ of 20 = 10 · $\frac{4}{10}$ of 30 = 12