



The Great Safari Cup Heist

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

Detective: _____ **Date:** _____

Someone swapped the Golden Safari Trophy with a painted coconut right before kickoff! Detective, examine the evidence, clear the innocent soccer stars, and catch the stadium sneaky sneaky trickster.

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 Mascot Marauder is _____

Possible suspects

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

NAME	ANIMAL MOVE	PITCH TRICK	KICKING STYLE	HEADGEAR	DISTRACTION
Jude Bellingham	Walrus Tackle	Bicycle Kick	Right Foot Kick	Golden Headband	Muddy Pitch
Son Heungmin	Hippo Charge	Rainbow Flick	Right Foot Kick	Golden Headband	Muddy Pitch
Tiny Tardigrade	Walrus Tackle	Phantom Dribble	Right Foot Kick	Braided Visor	Muddy Pitch
Pip Porcupine	Hippo Charge	Curve Pass	Right Foot Kick	Golden Headband	Muddy Pitch
Mohamed Salah	Hippo Charge	Bicycle Kick	Left Foot Kick	Neon Sweatband	Muddy Pitch
Leo Lion	Cheetah Sprint	Glowing Cleats	Right Foot Kick	Golden Headband	Squeaky Toy
Luka Modric	Lion Roar	Phantom Dribble	Right Foot Kick	Braided Visor	Squeaky Toy
Samba Elephant	Walrus Tackle	Rainbow Flick	Right Foot Kick	Neon Sweatband	Muddy Pitch
Chester Cheetah	Walrus Tackle	Rainbow Flick	Left Foot Kick	Golden Headband	Muddy Pitch
Cristiano Ronaldo	Lion Roar	Curve Pass	Left Foot Kick	Golden Headband	Muddy Pitch
Neymar Jr	Walrus Tackle	Phantom Dribble	Left Foot Kick	Golden Headband	Muddy Pitch
Wally Walrus	Tardigrade Shield	Glowing Cleats	Left Foot Kick	Neon Sweatband	Loud Whistle
Sami Squirrel	Walrus Tackle	Bicycle Kick	Right Foot Kick	Golden Headband	Loud Whistle
Lionel Messi	Hippo Charge	Bicycle Kick	Right Foot Kick	Golden Headband	Muddy Pitch
Bukayo Saka	Cheetah Sprint	Bicycle Kick	Right Foot Kick	Neon Sweatband	Muddy Pitch
Harry Hippo	Hippo Charge	Glowing Cleats	Right Foot Kick	Golden Headband	Muddy Pitch
Vinicius Jr	Lion Roar	Rainbow Flick	Right Foot Kick	Golden Headband	Squeaky Toy
Erling Haaland	Tardigrade Shield	Curve Pass	Left Foot Kick	Golden Headband	Squeaky Toy
Christian Pulisic	Tardigrade Shield	Bicycle Kick	Right Foot Kick	Neon Sweatband	Squeaky Toy
Zack Zebra	Lion Roar	Bicycle Kick	Left Foot Kick	Golden Headband	Squeaky Toy
Kevin De Bruyne	Cheetah Sprint	Glowing Cleats	Right Foot Kick	Golden Headband	Muddy Pitch

Multiplication facts (1-12)

To count the match soccer balls stored in equal rows across the pitch, the coach multiplied the crates.

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

2 64 22 55 66 72 72 49 66 12 84 11 22 3 12 11 2

77 3 22 144 72 11 16 66 12 144 63 72 22 49 2 3

$2 \times 1 = \square \rightarrow \mathbf{T}$

$2 \times 8 = \square \rightarrow \mathbf{W}$

$2 \times 6 = \square \rightarrow \mathbf{N}$

$11 \times 2 = \square \rightarrow \mathbf{E}$

$7 \times 7 = \boxed{} \rightarrow \boxed{\text{A}}$

$$7 \times 11 = \boxed{} \rightarrow \boxed{\mathbf{U}}$$

$$12 \times 12 = \boxed{} \rightarrow \boxed{\text{G}}$$

$11 \times 6 = \boxed{} \rightarrow \boxed{}$

$$11 \times 1 = \boxed{} \rightarrow \boxed{0}$$

$1 \times 3 = \square \rightarrow \boxed{\mathbf{S}}$

$$8 \times 8 = \boxed{} \rightarrow \boxed{\text{H}}$$

$7 \times 12 = \boxed{} \rightarrow \boxed{\mathbf{D}}$

$9 \times 7 = \boxed{} \rightarrow \boxed{\text{C}}$

$11 \times 5 = \boxed{} \rightarrow \boxed{\mathbf{v}}$

$8 \times 9 = \boxed{} \rightarrow \boxed{\text{L}}$

Scratch space:

CLUE 2

Fractions of a number

The stadium announcer calculated what fraction of the fan seats were filled at game time.

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

W									W						
34	8	23	33	32	35	35	35	19	34	19	31	8	29	16	23

7	5	5	23	30	8	21	30

$1/4 \text{ of } 136 = \boxed{} \rightarrow \boxed{\text{W}}$

$3/6 \text{ of } 42 = \boxed{} \rightarrow \boxed{\text{C}}$

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

$4/8 \text{ of } 32 = \boxed{} \rightarrow \boxed{\text{H}}$

$1/2 \text{ of } 58 = \boxed{} \rightarrow \boxed{\text{G}}$

$2/8 \text{ of } 20 = \boxed{} \rightarrow \boxed{\text{O}}$

$1/3 \text{ of } 21 = \boxed{} \rightarrow \boxed{\text{F}}$

$5/10 \text{ of } 46 = \boxed{} \rightarrow \boxed{\text{T}}$

$4/6 \text{ of } 45 = \boxed{} \rightarrow \boxed{\text{K}}$

$2/4 \text{ of } 62 = \boxed{} \rightarrow \boxed{\text{R}}$

$4/10 \text{ of } 80 = \boxed{} \rightarrow \boxed{\text{E}}$

$1/8 \text{ of } 64 = \boxed{} \rightarrow \boxed{\text{I}}$

$2/8 \text{ of } 76 = \boxed{} \rightarrow \boxed{\text{A}}$

$2/10 \text{ of } 175 = \boxed{} \rightarrow \boxed{\text{S}}$

Scratch space:

CLUE 3
Order of operations

The referee computed penalty points using a strict equation with parentheses to balance the score.

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

T																			
48	38	52	13	62	11	11	61	62	54	31	11	62	50	50	52	6	22	54	

61	66	34	6	6	37	50	62	48	56	38		

$5 \times 10 - 2 = \square \rightarrow \text{T}$

$8 \times 7 - 18 = \square \rightarrow \text{H}$

$8 \times 7 - 2 = \square \rightarrow \text{N}$

$4 \times 11 - 10 = \square \rightarrow \text{U}$

$55 + 2 \times 3 = \square \rightarrow \text{A}$

$17 + 7 \times 5 = \square \rightarrow \text{E}$

$14 + 6 \times 8 = \square \rightarrow \text{I}$

$3 \times 11 - 20 = \square \rightarrow \text{V}$

$40 + 2 \times 8 = \square \rightarrow \text{C}$

$6 \times 10 - 23 = \square \rightarrow \text{Y}$

$3 \times 4 - 6 = \square \rightarrow \text{D}$

$7 \times 12 - 18 = \square \rightarrow \text{M}$

$3 \times 8 - 2 = \square \rightarrow \text{O}$

$1 + 5 \times 2 = \square \rightarrow \text{L}$

$7 \times 9 - 13 = \square \rightarrow \text{P}$

$8 \times 7 - 25 = \square \rightarrow \text{S}$

Scratch space:

CLUE 4
Rounding

The jumbo stadium screen rounded the total attendance count to the nearest hundred.

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

F																			
900	110	430	90	1700	230	700	110	200	1700	370	90	2300	370	230	1700	130	230	90	1700

230	20	20	2300	370	300	7000	370	90	370

Round 881 to the nearest hundred → **F**

Round 88 to the nearest ten → **N**

Round 1,661 to the nearest hundred → **D**

Round 231 to the nearest ten → **A**

Round 129 to the nearest ten → **B**

Round 113 to the nearest ten → **O**

Round 7,329 to the nearest thousand → **C**

Round 429 to the nearest ten → **U**

Round 218 to the nearest hundred → **L**

Round 717 to the nearest hundred → **G**

Round 312 to the nearest hundred → **S**

Round 2,272 to the nearest hundred → **H**

Round 371 to the nearest ten → **E**

Round 19 to the nearest ten → **T**

Scratch space:

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

The team trainer measured out a fraction of the energy mix needed for the second half.

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:

$4/8 \text{ of } 16 = \boxed{}$

$1/3 \text{ of } 33 = \boxed{}$

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

$2/6 \text{ of } 12 = \boxed{}$

$2/10 \text{ of } 30 = \boxed{}$

$5/10 \text{ of } 24 = \boxed{}$

$2/6 \text{ of } 21 = \boxed{}$

$5/8 \text{ of } 16 = \boxed{}$

$4/6 \text{ of } 3 = \boxed{}$

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

$2/6 \text{ of } 27 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain tackled like a walrus, then scored a bicycle kick.
2. The villain roared like a lion, then laced up glowing cleats.
3. The villain sprinted like a cheetah, then bent a curve pass.
4. The villain roared like a lion, then showed a rainbow flick.
5. The villain charged like a hippo, then showed a rainbow flick.
6. The villain charged like a hippo, then executed a phantom dribble.
7. The villain tackled like a walrus, then showed a rainbow flick.
8. The villain charged like a hippo, then bent a curve pass.
9. The villain roared like a lion, then bent a curve pass.
10. The villain sprinted like a cheetah, then laced up glowing cleats.
11. The villain charged like a hippo, then scored a bicycle kick.
12. The villain roared like a lion, then executed a phantom dribble.

Answer Key

The Great Safari Cup Heist

Culprit: Jude Bellingham

Walrus Tackle · Bicycle Kick · Right Foot Kick · Golden Headband · Muddy Pitch

Trail: Start 21 → Clue 1 17 → Clue 2 11 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Multiplication facts (1-12)): "THE VILLAIN DOES NOT USE GLOWING CLEATS"

$2 \times 1 = 2$ (T) · $2 \times 8 = 16$ (W) · $2 \times 6 = 12$ (N) · $11 \times 2 = 22$ (E) · $7 \times 7 = 49$ (A) · $7 \times 11 = 77$ (U) · $12 \times 12 = 144$ (G) · $11 \times 6 = 66$ (I) · $11 \times 1 = 11$ (O) · $1 \times 3 = 3$ (S) · $8 \times 8 = 64$ (H) · $7 \times 12 = 84$ (D) · $9 \times 7 = 63$ (C) · $11 \times 5 = 55$ (V) · $8 \times 9 = 72$ (L)

Clue 2 (Fractions of a number): "WITNESS SAW A RIGHT FOOT KICK"

$\frac{1}{4}$ of 136 = 34 (W) · $\frac{3}{6}$ of 42 = 21 (C) · $\frac{1}{4}$ of 132 = 33 (N) · $\frac{4}{8}$ of 32 = 16 (H) · $\frac{1}{2}$ of 58 = 29 (G) · $\frac{2}{8}$ of 20 = 5 (O) · $\frac{1}{3}$ of 21 = 7 (F) · $\frac{5}{10}$ of 46 = 23 (T) · $\frac{4}{6}$ of 45 = 30 (K) · $\frac{2}{4}$ of 62 = 31 (R) · $\frac{4}{10}$ of 80 = 32 (E) · $\frac{1}{8}$ of 64 = 8 (I) · $\frac{2}{8}$ of 76 = 19 (A) · $\frac{2}{10}$ of 175 = 35 (S)

Clue 3 (Order of operations): "THE VILLAIN SLIPPED ON A MUDDY PITCH"

$5 \times 10 - 2 = 48$ (T) · $8 \times 7 - 18 = 38$ (H) · $8 \times 7 - 2 = 54$ (N) · $4 \times 11 - 10 = 34$ (U) · $55 + 2 \times 3 = 61$ (A) · $17 + 7 \times 5 = 52$ (E) · $14 + 6 \times 8 = 62$ (I) · $3 \times 11 - 20 = 13$ (V) · $40 + 2 \times 8 = 56$ (C) · $6 \times 10 - 23 = 37$ (Y) · $3 \times 4 - 6 = 6$ (D) · $7 \times 12 - 18 = 66$ (M) · $3 \times 8 - 2 = 22$ (O) · $1 + 5 \times 2 = 11$ (L) · $7 \times 9 - 13 = 50$ (P) · $8 \times 7 - 25 = 31$ (S)

Clue 4 (Rounding): "FOUND A GOLDEN HEADBAND AT THE SCENE"

Round 881 to the nearest hundred = 900 (F) · Round 88 to the nearest ten = 90 (N) · Round 1,661 to the nearest hundred = 1700 (D) · Round 231 to the nearest ten = 230 (A) · Round 129 to the nearest ten = 130 (B) · Round 113 to the nearest ten = 110 (O) · Round 7,329 to the nearest thousand = 7000 (C) · Round 429 to the nearest ten = 430 (U) · Round 218 to the nearest hundred = 200 (L) · Round 717 to the nearest hundred = 700 (G) · Round 312 to the nearest hundred = 300 (S) · Round 2,272 to the nearest hundred = 2300 (H) · Round 371 to the nearest ten = 370 (E) · Round 19 to the nearest ten = 20 (T)

Clue 5 (Fractions of a number): surviving statement is box 1 → Jude Bellingham

$\frac{4}{8}$ of 16 = 8 · $\frac{1}{3}$ of 33 = 11 · $\frac{2}{6}$ of 15 = 5 · $\frac{2}{6}$ of 12 = 4 · $\frac{2}{10}$ of 30 = 6 · $\frac{5}{10}$ of 24 = 12 · $\frac{2}{6}$ of 21 = 7 · $\frac{5}{8}$ of 16 = 10 · $\frac{4}{6}$ of 3 = 2 · $\frac{1}{3}$ of 9 = 3 · $\frac{2}{6}$ of 27 = 9