



The Great Anthem Heist

Grade 5 math · Fractions of a number, Multi-step word problems, Order of operations, Multiplication · Reading level grades 5-6

Detective: _____ Date: _____

The stadium was packed, the crowd was roaring, and everyone was ready for the debut of the official 2026 World Cup song, Dai Dai! But right before kickoff, the master audio track went missing from the soundboard! A mysterious figure was seen dashing down the player tunnel. We need you to crack the codes, track the clues, and retrieve the anthem before the game begins!

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 Anthem Thief is _____

Possible suspects

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

NAME	SOUND BLAST	SOCCER GEAR	DOMINANT KICK	STADIUM HAIR	DEFENSIVE PLAY
Neymar	Techno Synth Wave	Ref Whistle	Righty Kick	Gold Braided Ponytail	Confetti Blast
De Bruyne	Techno Synth Wave	Golden Cleats	Lefty Kick	Gold Braided Ponytail	Squeaky Whistles
Messi	Stadium Megaphone	Glow Jersey	Righty Kick	Neon Green Mohican	Squeaky Whistles
Vinicius	Dai Dai Beat	Glow Jersey	Lefty Kick	Gold Braided Ponytail	Confetti Blast
Saka	Techno Synth Wave	Golden Cleats	Lefty Kick	Gold Braided Ponytail	Yellow Cards
Ronaldo	Techno Synth Wave	Mascot Cape	Righty Kick	Gold Braided Ponytail	Yellow Cards
Musiala	Vuvuzela Horn Blast	Laser Match Ball	Lefty Kick	Gold Braided Ponytail	Squeaky Whistles
Son	Vuvuzela Horn Blast	Glow Jersey	Righty Kick	Neon Green Mohican	Yellow Cards
Modric	Stadium Megaphone	Mascot Cape	Lefty Kick	Neon Green Mohican	Confetti Blast
Ochoa	Dai Dai Beat	Laser Match Ball	Righty Kick	Neon Green Mohican	Yellow Cards
Bellingham	Samba Drum Roll	Mascot Cape	Lefty Kick	Gold Braided Ponytail	Confetti Blast
Ricky Martin	Samba Drum Roll	Glow Jersey	Lefty Kick	Neon Green Mohican	Confetti Blast
Haaland	Vuvuzela Horn Blast	Ref Whistle	Lefty Kick	Neon Green Mohican	Confetti Blast
Griezmann	Dai Dai Beat	Ref Whistle	Righty Kick	Gold Braided Ponytail	Squeaky Whistles
Shakira	Stadium Megaphone	Ref Whistle	Lefty Kick	Curly Blue Wig	Confetti Blast
Peggy Gou	Techno Synth Wave	Golden Cleats	Righty Kick	Neon Green Mohican	Yellow Cards
Pitbull	Vuvuzela Horn Blast	Glow Jersey	Righty Kick	Curly Blue Wig	Squeaky Whistles
Pulisic	Stadium Megaphone	Golden Cleats	Lefty Kick	Gold Braided Ponytail	Confetti Blast
Salah	Vuvuzela Horn Blast	Mascot Cape	Lefty Kick	Gold Braided Ponytail	Confetti Blast
Mbappe	Dai Dai Beat	Mascot Cape	Righty Kick	Gold Braided Ponytail	Squeaky Whistles
Kane	Vuvuzela Horn Blast	Ref Whistle	Lefty Kick	Gold Braided Ponytail	Confetti Blast

Fractions of a number

We analyzed the VIP guest list at the stadium. Only a fraction of the fans had access to the mixing board during the song launch, which points us to our first suspect filter.

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

A number line from 0 to 100. The tens are labeled 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100. The ones are labeled 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99. The number 8 is written in the 8th box, and the number 8 is written in the 8th box. The number 8 is written in the 8th box.

4/8 of 16 = → **T**

$4/5$ of 50 = $\rightarrow$ **G**

$$2/10 \text{ of } 55 = \boxed{} \rightarrow \boxed{\text{P}}$$

$\frac{3}{5}$ of 40 = $\rightarrow$ **Y**

5/10 of 68 = → **E**

$\frac{1}{6}$ of 114 = $\rightarrow$ **D**

$$5/10 \text{ of } 30 = \boxed{} \rightarrow \boxed{\text{U}}$$

4/6 of 33 = → **W**

$$2/4 \text{ of } 24 = \boxed{} \rightarrow \boxed{\mathbf{v}}$$

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

2/6 of 21 = $\rightarrow$ **H**

4/8 of 50 = →

$2/6$ of 48 = $\rightarrow$ **A**

5/10 of 70 = → **L**

2/8 of 112 = → **J**

$2/8$ of 8 = $\rightarrow$ **S**

4/10 of 25 = → **N**

$\frac{1}{2}$ of 64 = $\rightarrow$ **R**

Scratch space:

CLUE 2

Multi-step word problems

To find where the villain went next, we tracked the ticket sales over three different stadium gates, subtracting the promotional giveaways to find the exact gate number.

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

A witness saw the villain was L C .

64 44 87 80 26 46 52 46

DJ Coach earned 7 mini soccer balls in each of 5 rounds, plus 32 bonus mini soccer balls. Then 3 mini soccer balls were lost. How many mini soccer balls are left?

Answer: → L

DJ Coach collected 126 match tickets in the morning and 30 match tickets in the afternoon, then split them equally among 3 Stadium Crew. How many match tickets did each get?

Answer: → I

DJ Coach collected 40 stadium hotdogs in the morning and 92 stadium hotdogs in the afternoon, then split them equally among 3 Stadium Crew. How many stadium hotdogs did each get?

Answer: → E

There were 496 vuvuzelas in all. 4 Stadium Crew used 24 vuvuzelas each. The other 5 Stadium Crew shared the rest equally. How many vuvuzelas did each of the other Stadium Crew get?

Answer: → T

DJ Coach filled 5 boxes with 9 match tickets each, then found 42 more match tickets. How many match tickets are there in all?

Answer: → F

There were 298 mini soccer balls in all. 3 Stadium Crew used 38 mini soccer balls each. The other 4 Stadium Crew shared the rest equally. How many mini soccer balls did each of the other Stadium Crew get?

Answer: → K

There were 268 foam fingers in all. 34 foam fingers were set aside. The rest were shared equally among 9 Stadium Crew. How many foam fingers did each get?

Answer: → Y

Scratch space:

CLUE 3

The stadium's soundboard locked up. We had to solve a multi-layered equation using the correct mathematical order to unlock the decibel level and find the next clue.

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

C																			
18	63	13	25	66	41	41	29	20	22	76	38	41	38	76	22	47	76	61	38
38	41	63	78	41	26	29	38	72	29	22	22	76	29	13					

$$12 + 3 \times 2 = \boxed{} \rightarrow \boxed{\text{C}}$$

$$43 + 6 \times 3 = \boxed{} \rightarrow \boxed{\text{Y}}$$

$$8 \times 11 - 22 = \boxed{} \rightarrow \boxed{\text{E}}$$

$$7 \times 12 - 6 = \boxed{} \rightarrow \boxed{\text{P}}$$

$$8 + 3 \times 7 = \boxed{} \rightarrow \boxed{\text{I}}$$

$$9 \times 3 - 1 = \boxed{} \rightarrow \boxed{\text{H}}$$

$$3 + 7 \times 5 = \boxed{} \rightarrow \boxed{\mathbf{S}}$$

$$7 + 5 \times 3 = \boxed{} \rightarrow \boxed{\text{L}}$$

$$30 + 6 \times 7 = \boxed{} \rightarrow \boxed{\mathbf{v}}$$

$4 + 9 \times 8 = \boxed{} \rightarrow \mathbf{A}$

$7 + 3 \times 2 = \boxed{} \rightarrow \mathbf{N}$

$$9 \times 10 - 27 = \boxed{} \rightarrow \boxed{0}$$

$4 + 7 \times 3 = \boxed{} \rightarrow \boxed{\text{F}}$

$12 \times 4 - 28 = \boxed{} \rightarrow \mathbf{B}$

$$20 + 3 \times 7 = \boxed{} \rightarrow \boxed{\text{T}}$$

$$10 \times 7 - 23 = \boxed{} \rightarrow \boxed{\mathbf{W}}$$

Scratch space:

CLUE 4

Multiplication facts (1-12)

The stadium crew had to count rows of merchandise boxes. Multiplying the boxes per pallet by the total rows revealed the hidden locker code.

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

W																	
32	33	56	55	15	110	4	70	55	11	4	2	3	5	90	4	33	4
8	5	90	3	40	90	33	121	33	77								

$8 \times 4 = \square \rightarrow \boxed{W}$

$2 \times 1 = \square \rightarrow \boxed{B}$

$8 \times 7 = \square \rightarrow \boxed{F}$

$4 \times 1 = \square \rightarrow \boxed{D}$

$4 \times 10 = \square \rightarrow \boxed{P}$

$5 \times 11 = \square \rightarrow \boxed{O}$

$5 \times 1 = \square \rightarrow \boxed{A}$

$7 \times 10 = \square \rightarrow \boxed{G}$

$3 \times 11 = \square \rightarrow \boxed{E}$

$2 \times 4 = \square \rightarrow \boxed{H}$

$11 \times 11 = \square \rightarrow \boxed{C}$

$11 \times 10 = \square \rightarrow \boxed{N}$

$11 \times 1 = \square \rightarrow \boxed{L}$

$7 \times 11 = \square \rightarrow \boxed{S}$

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

$10 \times 9 = \square \rightarrow \boxed{I}$

$5 \times 3 = \square \rightarrow \boxed{U}$

Scratch space:

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

A fraction of the stadium speakers were blown out by the villain's bass drop. Calculating that exact fraction led us to the suspect's final hair clue.

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:

$1/5 \text{ of } 35 = \boxed{}$

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

$1/6 \text{ of } 36 = \boxed{}$

$1/2 \text{ of } 4 = \boxed{}$

$5/10 \text{ of } 2 = \boxed{}$

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

$1/2 \text{ of } 16 = \boxed{}$

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

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

$1/10 \text{ of } 40 = \boxed{}$

$3/5 \text{ of } 20 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain drops a heavy dai dai beat, then kicks a laser match ball away.
2. The villain blasts a stadium megaphone, then flies off in a mascot cape.
3. The villain blasts a stadium megaphone, then escapes in golden cleats.
4. The villain unleashes a loud techno synth wave, then activates a glowing soccer jersey.
5. The villain blasts a stadium megaphone, then kicks a laser match ball away.
6. The villain starts a massive samba drum roll, then flies off in a mascot cape.
7. The villain blows a loud vuvuzela horn blast, then flies off in a mascot cape.
8. The villain starts a massive samba drum roll, then kicks a laser match ball away.
9. The villain drops a heavy dai dai beat, then activates a glowing soccer jersey.
10. The villain starts a massive samba drum roll, then tweets a stolen ref whistle.
11. The villain blows a loud vuvuzela horn blast, then tweets a stolen ref whistle.
12. The villain drops a heavy dai dai beat, then flies off in a mascot cape.

Answer Key

The Great Anthem Heist

Culprit: Kane

Vuvuzela Horn Blast · Ref Whistle · Lefty Kick · Gold Braided Ponytail · Confetti Blast

Trail: Start 21 → Clue 1 16 → Clue 2 10 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Fractions of a number): "THE SUSPECT DOES NOT HAVE A GLOW JERSEY"

$\frac{4}{8}$ of 16 = 8 (T) · $\frac{4}{5}$ of 50 = 40 (G) · $\frac{2}{10}$ of 55 = 11 (P) · $\frac{3}{5}$ of 40 = 24 (Y) · $\frac{5}{10}$ of 68 = 34 (E) · $\frac{1}{6}$ of 114 = 19 (D) · $\frac{5}{10}$ of 30 = 15 (U) · $\frac{4}{6}$ of 33 = 22 (W) · $\frac{2}{4}$ of 24 = 12 (V) · $\frac{2}{10}$ of 150 = 30 (C) · $\frac{2}{6}$ of 21 = 7 (H) · $\frac{4}{8}$ of 50 = 25 (O) · $\frac{2}{6}$ of 48 = 16 (A) · $\frac{5}{10}$ of 70 = 35 (L) · $\frac{2}{8}$ of 112 = 28 (J) · $\frac{2}{8}$ of 8 = 2 (S) · $\frac{4}{10}$ of 25 = 10 (N) · $\frac{1}{2}$ of 64 = 32 (R)

Clue 2 (Multi-step word problems): "LEFTY KICK"

DJ Coach earned 7 mini soccer balls in each of 5 rounds, plus 32 bonus mini soccer balls. Then 3 mini soccer balls were lost. How many mini soccer balls are left? = 64 (L) · DJ Coach collected 126 match tickets in the morning and 30 match tickets in the afternoon, then split them equally among 3 Stadium Crew. How many match tickets did each get? = 52 (I) · DJ Coach collected 40 stadium hotdogs in the morning and 92 stadium hotdogs in the afternoon, then split them equally among 3 Stadium Crew. How many stadium hotdogs did each get? = 44 (E) · There were 496 vuvuzelas in all. 4 Stadium Crew used 24 vuvuzelas each. The other 5 Stadium Crew shared the rest equally. How many vuvuzelas did each of the other Stadium Crew get? = 80 (T) · DJ Coach filled 5 boxes with 9 match tickets each, then found 42 more match tickets. How many match tickets are there in all? = 87 (F) · There were 298 mini soccer balls in all. 3 Stadium Crew used 38 mini soccer balls each. The other 4 Stadium Crew shared the rest equally. How many mini soccer balls did each of the other Stadium Crew get? = 46 (K) · There were 268 foam fingers in all. 34 foam fingers were set aside. The rest were shared equally among 9 Stadium Crew. How many foam fingers did each get? = 26 (Y)

Clue 3 (Order of operations): "CONFETTI BLASTS ALWAYS STOP THIS VILLAIN"

$12 + 3 \times 2 = 18$ (C) · $43 + 6 \times 3 = 61$ (Y) · $8 \times 11 - 22 = 66$ (E) · $7 \times 12 - 6 = 78$ (P) · $8 + 3 \times 7 = 29$ (I) · $9 \times 3 - 1 = 26$ (H) · $3 + 7 \times 5 = 38$ (S) · $7 + 5 \times 3 = 22$ (L) · $30 + 6 \times 7 = 72$ (V) · $4 + 9 \times 8 = 76$ (A) · $7 + 3 \times 2 = 13$ (N) · $9 \times 10 - 27 = 63$ (O) · $4 + 7 \times 3 = 25$ (F) · $12 \times 4 - 28 = 20$ (B) · $20 + 3 \times 7 = 41$ (T) · $10 \times 7 - 23 = 47$ (W)

Clue 4 (Multiplication facts (1-12)): "WE FOUND GOLD BRAIDED HAIR PIECES"

$8 \times 4 = 32$ (W) · $2 \times 1 = 2$ (B) · $8 \times 7 = 56$ (F) · $4 \times 1 = 4$ (D) · $4 \times 10 = 40$ (P) · $5 \times 11 = 55$ (O) · $5 \times 1 = 5$ (A) · $7 \times 10 = 70$ (G) · $3 \times 11 = 33$ (E) · $2 \times 4 = 8$ (H) · $11 \times 11 = 121$ (C) · $11 \times 10 = 110$ (N) · $11 \times 1 = 11$ (L) · $7 \times 11 = 77$ (S) · $1 \times 3 = 3$ (R) · $10 \times 9 = 90$ (I) · $5 \times 3 = 15$ (U)

Clue 5 (Fractions of a number): surviving statement is box 11 → Kane

$\frac{1}{5}$ of 35 = 7 · $\frac{1}{3}$ of 9 = 3 · $\frac{1}{6}$ of 36 = 6 · $\frac{1}{2}$ of 4 = 2 · $\frac{5}{10}$ of 2 = 1 · $\frac{3}{6}$ of 10 = 5 · $\frac{1}{2}$ of 16 = 8 · $\frac{6}{10}$ of 15 = 9 · $\frac{5}{8}$ of 16 = 10 · $\frac{1}{10}$ of 40 = 4 · $\frac{3}{5}$ of 20 = 12