



The Anthem Anthem Heist

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

Detective: _____ Date: _____

The biggest soccer tournament on Earth is about to begin, but the golden master USB drive containing the official 2026 World Cup Anthem remix has vanished from the sound booth! Without the music, the opening ceremony cannot start. Use your mathematical deduction skills to track down the culprit among the VIPs and save the global soccer party!

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 Saboteur is _____

Possible suspects

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

NAME	SIGNATURE SOCCER MOVE	VOCAL/MUSIC STYLE	DOMINANT FOOT	HAIR STYLE	DISTRACTION METHOD
The Weeknd	bicycle kick	autotune	left footed	curly blue afro	squeaky sneaker
Billie Eilish	header	guitar shredding	left footed	curly blue afro	loud whistle
Taylor Swift	slide tackle	beatboxing	left footed	curly blue afro	loud whistle
Son Heung Min	header	beatboxing	left footed	curly blue afro	loud whistle
Kylian Mbappe	no look pass	autotune	left footed	curly blue afro	loud whistle
Vinicius Junior	no look pass	guitar shredding	right footed	curly blue afro	loud whistle
Olivia Rodrigo	bicycle kick	beatboxing	left footed	neon green mullet	loud whistle
Bruno Mars	curving free kick	guitar shredding	right footed	silver spikes	disco lights
Christian Pulisic	curving free kick	autotune	right footed	curly blue afro	loud whistle
Kevin De Bruyne	header	guitar shredding	left footed	neon green mullet	squeaky sneaker
Dua Lipa	curving free kick	autotune	left footed	curly blue afro	squeaky sneaker
Ed Sheeran	curving free kick	opera vocals	right footed	curly blue afro	squeaky sneaker
Erling Haaland	header	opera vocals	left footed	curly blue afro	loud whistle
Ariana Grande	no look pass	opera vocals	right footed	neon green mullet	squeaky sneaker
Jude Bellingham	header	guitar shredding	left footed	curly blue afro	squeaky sneaker
Mohamed Salah	slide tackle	autotune	left footed	neon green mullet	loud whistle
Shakira	slide tackle	autotune	right footed	neon green mullet	squeaky sneaker
Shawn Mendes	slide tackle	keytar solo	left footed	curly blue afro	squeaky sneaker
Luka Modric	curving free kick	keytar solo	left footed	curly blue afro	squeaky sneaker
Harry Kane	header	guitar shredding	right footed	curly blue afro	disco lights
Justin Bieber	header	guitar shredding	right footed	neon green mullet	loud whistle

Multiplication facts (1-12)

We inspect the stadium soundboard where the villain tampered with the buttons. The buttons are arranged in several equal rows. If we count the grid of buttons, we will unlock the first encrypted file.

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

32 44 8 96 21 100 16 8 33 70 77 8 96 100 77 32

96 44 33 8 70 77 100 16 28 21 32 132 33

$4 \times 8 = \boxed{} \rightarrow \boxed{\text{T}}$

$7 \times 10 = \boxed{} \rightarrow \boxed{\mathbf{D}}$

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

$11 \times 7 = \boxed{} \rightarrow \boxed{0}$

$4 \times 4 = \boxed{} \rightarrow \boxed{\mathbf{G}}$

$12 \times 8 = \boxed{} \rightarrow \boxed{\mathbf{S}}$

$$7 \times 4 = \boxed{} \rightarrow \boxed{\text{U}}$$

$$10 \times 10 = \boxed{} \rightarrow \boxed{\mathbf{N}}$$

$$4 \times 11 = \boxed{} \rightarrow \boxed{\text{H}}$$

$$8 \times 1 = \boxed{} \rightarrow \boxed{\mathbf{E}}$$

$$3 \times 11 = \boxed{} \rightarrow \boxed{\text{R}}$$

$11 \times 12 = \boxed{} \rightarrow \boxed{\text{A}}$

Scratch space:

Fractions of a number

The stadium crew needs to test a fraction of the giant loudspeakers to isolate the interference. Once we determine the exact number of active speakers, we can download the next suspect profile.

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

The grid contains the following numbers and 'T' markers:

T																			
8	27	16	39	26	14	14	10	26	35	4	26	9	4	30	17	26	8	27	

T				T				T		
8	27	16	14	16	15	8	15	22	22	8

$\frac{2}{3}$ of 12 = $\rightarrow$ **T**

4/6 of 24 = → **E**

4/8 of 30 = → **F**

$3/5$ of 15 = $\rightarrow$ **C**

$3/10$ of 90 = $\rightarrow$ **H**

$\frac{1}{3}$ of 12 = $\rightarrow$ **K**

$$1/10 \text{ of } 170 = \boxed{} \rightarrow \boxed{\mathbf{W}}$$

$$2/5 \text{ of } 35 = \boxed{} \rightarrow \boxed{\text{L}}$$

$\frac{1}{8}$ of 80 = $\rightarrow$ **A**

$\frac{1}{3}$ of 117 = $\rightarrow$ **V**

$\frac{1}{3}$ of 105 = $\rightarrow$ **N**

$\frac{1}{4}$ of 88 = $\rightarrow$

$$6/10 \text{ of } 50 = \boxed{} \rightarrow \boxed{\text{S}}$$

$\frac{1}{6}$ of 156 = $\rightarrow$

Scratch space:

CLUE 3
Order of operations

A complex passcode is locked behind a multi-step equation on the master mixer. We must follow the strict rules of operations, solving the parentheses first, to reveal the suspect's weakness.

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

T			T					T		T							
64	49	53	64	78	23	29	53	64	18	64	45	14	18	80	45	23	78
								T									
75	45	72	57	36	49	66	18	64	75	53							

$54 + 5 \times 2 = \square \rightarrow \text{T}$	$8 \times 12 - 18 = \square \rightarrow \text{A}$	$66 + 2 \times 3 = \square \rightarrow \text{U}$
$8 \times 6 - 30 = \square \rightarrow \text{S}$	$6 \times 11 - 13 = \square \rightarrow \text{E}$	$24 + 7 \times 8 = \square \rightarrow \text{F}$
$18 + 6 \times 3 = \square \rightarrow \text{W}$	$4 \times 11 - 15 = \square \rightarrow \text{G}$	$10 \times 5 - 5 = \square \rightarrow \text{O}$
$8 \times 6 - 25 = \square \rightarrow \text{R}$	$4 + 5 \times 2 = \square \rightarrow \text{P}$	$39 + 6 \times 3 = \square \rightarrow \text{D}$
$54 + 3 \times 4 = \square \rightarrow \text{I}$	$40 + 3 \times 3 = \square \rightarrow \text{H}$	$10 \times 8 - 5 = \square \rightarrow \text{L}$

Scratch space:

CLUE 4 Rounding

The stadium's sound radar detected a strange decibel spike, but it only displays estimates rounded to the nearest ten. Rounding the frequency unlocks the physical description of the culprit.

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

W																			
50	2000	9000	2000	230	70	7000	2000	9000	2000	370	230	2300	9000	30	290	200	30	2300	2000
170	110	9000	70	90	900	9000	170	1700	370	90									

Round 51 to the nearest ten → **W**

Round 6,560 to the nearest thousand → **V**

Round 30 to the nearest ten → **L**

Round 89 to the nearest ten → **S**

Round 168 to the nearest hundred → **B**

Round 369 to the nearest ten → **D**

Round 2,312 to the nearest hundred → **U**

Round 286 to the nearest ten → **Y**

Round 948 to the nearest hundred → **T**

Round 227 to the nearest ten → **C**

Round 8,665 to the nearest thousand → **R**

Round 106 to the nearest ten → **F**

Round 1,741 to the nearest hundred → **N**

Round 2,071 to the nearest thousand → **E**

Round 171 to the nearest ten → **A**

Round 74 to the nearest ten → **O**

Scratch space:

CLUE 5**Missing addends - the last clue**

We have a total target of stadium tickets to scan before kickoff. To find the final clue about the villain's footedness, we must find the missing number of tickets still left to scan.

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:

$40 + \underline{\quad} = 51$

$35 + \underline{\quad} = 36$

$37 + \underline{\quad} = 40$

$18 + \underline{\quad} = 26$

$12 + \underline{\quad} = 14$

$27 + \underline{\quad} = 36$

$9 + \underline{\quad} = 13$

$8 + \underline{\quad} = 15$

$26 + \underline{\quad} = 36$

$1 + \underline{\quad} = 7$

$17 + \underline{\quad} = 22$

Step 2 - cross out the sentence with each answer:

1. The villain scored a powerful header, then belted out operatic vocals to shatter glass.
2. The villain executed a flawless bicycle kick, then belted out operatic vocals to shatter glass.
3. The villain scored a powerful header, then beatboxed a fast rhythm to block the alarms.
4. The villain unleashed a curving free kick, then used high pitch autotune to mimic the referee.
5. The villain fooled the guards with a no look pass, then played an epic guitar shredding solo to distract the staff.
6. The villain tripped up the mascot with a slide tackle, then played an epic guitar shredding solo to distract the staff.
7. The villain executed a flawless bicycle kick, then jammed on a keytar to scramble the signals.
8. The villain scored a powerful header, then used high pitch autotune to mimic the referee.
9. The villain fooled the guards with a no look pass, then beatboxed a fast rhythm to block the alarms.
10. The villain executed a flawless bicycle kick, then used high pitch autotune to mimic the referee.
11. The villain fooled the guards with a no look pass, then used high pitch autotune to mimic the referee.
12. The villain tripped up the mascot with a slide tackle, then beatboxed a fast rhythm to block the alarms.

Answer Key

The Anthem Anthem Heist

Culprit: Taylor Swift

slide tackle · beatboxing · left footed · curly blue afro · loud whistle

Trail: Start 21 → Clue 1 14 → Clue 2 10 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Multiplication facts (1-12)): "THE SINGER DOES NOT SHRED ON GUITAR"

$4 \times 8 = 32$ (T) · $7 \times 10 = 70$ (D) · $3 \times 7 = 21$ (I) · $11 \times 7 = 77$ (O) · $4 \times 4 = 16$ (G) · $12 \times 8 = 96$ (S) · $7 \times 4 = 28$ (U) · $10 \times 10 = 100$ (N) · $4 \times 11 = 44$ (H) · $8 \times 1 = 8$ (E) · $3 \times 11 = 33$ (R) · $11 \times 12 = 132$ (A)

Clue 2 (Fractions of a number): "THE VILLAIN KICKS WITH THE LEFT FOOT"

$\frac{2}{3}$ of 12 = 8 (T) · $\frac{4}{6}$ of 24 = 16 (E) · $\frac{4}{8}$ of 30 = 15 (F) · $\frac{3}{5}$ of 15 = 9 (C) · $\frac{3}{10}$ of 90 = 27 (H) · $\frac{1}{3}$ of 12 = 4 (K) · $\frac{1}{10}$ of 170 = 17 (W) · $\frac{2}{5}$ of 35 = 14 (L) · $\frac{1}{8}$ of 80 = 10 (A) · $\frac{1}{3}$ of 117 = 39 (V) · $\frac{1}{3}$ of 105 = 35 (N) · $\frac{1}{4}$ of 88 = 22 (O) · $\frac{6}{10}$ of 50 = 30 (S) · $\frac{1}{6}$ of 156 = 26 (I)

Clue 3 (Order of operations): "THE TARGET STOPS FOR A LOUD WHISTLE"

$54 + 5 \times 2 = 64$ (T) · $8 \times 12 - 18 = 78$ (A) · $66 + 2 \times 3 = 72$ (U) · $8 \times 6 - 30 = 18$ (S) · $6 \times 11 - 13 = 53$ (E) · $24 + 7 \times 8 = 80$ (F) · $18 + 6 \times 3 = 36$ (W) · $4 \times 11 - 15 = 29$ (G) · $10 \times 5 - 5 = 45$ (O) · $8 \times 6 - 25 = 23$ (R) · $4 + 5 \times 2 = 14$ (P) · $39 + 6 \times 3 = 57$ (D) · $54 + 3 \times 4 = 66$ (I) · $40 + 3 \times 3 = 49$ (H) · $10 \times 8 - 5 = 75$ (L)

Clue 4 (Rounding): "WE RECOVERED CURLY BLUE AFRO STRANDS"

Round 51 to the nearest ten = 50 (W) · Round 6,560 to the nearest thousand = 7000 (V) · Round 30 to the nearest ten = 30 (L) · Round 89 to the nearest ten = 90 (S) · Round 168 to the nearest hundred = 200 (B) · Round 369 to the nearest ten = 370 (D) · Round 2,312 to the nearest hundred = 2300 (U) · Round 286 to the nearest ten = 290 (Y) · Round 948 to the nearest hundred = 900 (T) · Round 227 to the nearest ten = 230 (C) · Round 8,665 to the nearest thousand = 9000 (R) · Round 106 to the nearest ten = 110 (F) · Round 1,741 to the nearest hundred = 1700 (N) · Round 2,071 to the nearest thousand = 2000 (E) · Round 171 to the nearest ten = 170 (A) · Round 74 to the nearest ten = 70 (O)

Clue 5 (Missing addends): surviving statement is box 12 → Taylor Swift

$40 + \underline{\quad} = 51 = 11$ · $35 + \underline{\quad} = 36 = 1$ · $37 + \underline{\quad} = 40 = 3$ · $18 + \underline{\quad} = 26 = 8$ · $12 + \underline{\quad} = 14 = 2$ · $27 + \underline{\quad} = 36 = 9$ · $9 + \underline{\quad} = 13 = 4$ · $8 + \underline{\quad} = 15 = 7$ · $26 + \underline{\quad} = 36 = 10$ · $1 + \underline{\quad} = 7 = 6$ · $17 + \underline{\quad} = 22 = 5$