



The Case of the Championship Trophy Hijack

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

Detective: _____ Date: _____

Just hours before tipoff in the national championship game, the glittering championship trophy vanished from center court! Review the court footage and decipher the math clues to identify the suspect.

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 trophy thief 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	SPECIALTY SKILL	SHOOTING HABIT	HAIRSTYLE	DISTRACTION
Caitlin Clark	Bank Shot	Euro Step	Right Handed	Short Buzz Cut	Loud Buzzer
Kelsey Mitchell	Bank Shot	Buzzer Beater	Left Handed	Short Buzz Cut	Loud Buzzer
Kelsey Plum	Bank Shot	Buzzer Beater	Right Handed	High Ponytail	Loud Buzzer
Dearica Hamby	Bank Shot	Lockdown Defense	Right Handed	High Ponytail	Whistle Blasts
Alyssa Thomas	Full Court Press	Ankle Breaker	Right Handed	High Ponytail	Whistle Blasts
Jonquel Jones	No Look Pass	Euro Step	Right Handed	High Ponytail	Loud Buzzer
Angel Reese	Step Back Three	Buzzer Beater	Left Handed	High Ponytail	Squeaky Sneakers
Nneka Ogumike	Full Court Press	Euro Step	Right Handed	High Ponytail	Loud Buzzer
Aliyah Boston	Bank Shot	Lockdown Defense	Right Handed	High Ponytail	Loud Buzzer
Jewell Loyd	Full Court Press	Euro Step	Left Handed	High Ponytail	Loud Buzzer
Napheesa Collier	Full Court Press	Fast Break	Left Handed	Short Buzz Cut	Loud Buzzer
Chelsea Gray	Full Court Press	Lockdown Defense	Left Handed	High Ponytail	Squeaky Sneakers
Sabrina Ionescu	Step Back Three	Ankle Breaker	Right Handed	High Ponytail	Loud Buzzer
Brittney Griner	No Look Pass	Fast Break	Right Handed	High Ponytail	Squeaky Sneakers
Aja Wilson	Bank Shot	Fast Break	Right Handed	High Ponytail	Squeaky Sneakers
Diana Taurasi	Crossover Dribble	Fast Break	Right Handed	Braided Cornrows	Squeaky Sneakers
Courtney Vandersloot	Crossover Dribble	Buzzer Beater	Left Handed	Braided Cornrows	Loud Buzzer
Arike Ogunbowale	Crossover Dribble	Euro Step	Left Handed	High Ponytail	Whistle Blasts
Allisha Gray	No Look Pass	Ankle Breaker	Right Handed	Short Buzz Cut	Loud Buzzer
Jackie Young	Crossover Dribble	Fast Break	Left Handed	Short Buzz Cut	Whistle Blasts
Rhyné Howard	Full Court Press	Buzzer Beater	Right Handed	Braided Cornrows	Loud Buzzer

CLUE 1
Multiplication facts (1-12)

To unlock the first encoded clip from arena security, multiply the rows of stadium seats by the seats in each row.

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

T																T
11	110	4	72	2	5	5	7	2	16	8	48	4	32	16	48	11
													T			
80	32	4	7	15	80	96	96	4	66	15	4	7	11	4	66	

$11 \times 1 = \square \rightarrow$ T	$6 \times 12 = \square \rightarrow$ V	$2 \times 2 = \square \rightarrow$ E	
$8 \times 12 = \square \rightarrow$ Z	$1 \times 5 = \square \rightarrow$ L	$1 \times 2 = \square \rightarrow$ I	
$11 \times 6 = \square \rightarrow$ R	$4 \times 8 = \square \rightarrow$ S	$1 \times 7 = \square \rightarrow$ A	$1 \times 8 = \square \rightarrow$ D
$3 \times 5 = \square \rightarrow$ B	$10 \times 11 = \square \rightarrow$ H	$2 \times 8 = \square \rightarrow$ N	
$8 \times 6 = \square \rightarrow$ O	$10 \times 8 = \square \rightarrow$ U		

Scratch space:

CLUE 2
Fractions of a number

To decipher the second clue, find the fractional portion of practice tape reviewed by the coaching staff.

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

T																	
4	31	19	26	23	29	32	19	24	40	24	21	18	18	23	19	12	

		T		T							T						
22	21	4	31	4	31	19	21	24	24	21	13	31	4	31	29	2	40

$1/8 \text{ of } 32 = \square \rightarrow \text{T}$

$3/6 \text{ of } 58 = \square \rightarrow \text{A}$

$1/4 \text{ of } 72 = \square \rightarrow \text{B}$

$4/10 \text{ of } 65 = \square \rightarrow \text{P}$

$2/10 \text{ of } 95 = \square \rightarrow \text{E}$

$1/3 \text{ of } 69 = \square \rightarrow \text{L}$

$2/10 \text{ of } 155 = \square \rightarrow \text{H}$

$2/6 \text{ of } 39 = \square \rightarrow \text{G}$

$3/10 \text{ of } 70 = \square \rightarrow \text{I}$

$3/6 \text{ of } 24 = \square \rightarrow \text{S}$

$1/4 \text{ of } 160 = \square \rightarrow \text{D}$

$2/5 \text{ of } 60 = \square \rightarrow \text{R}$

$2/3 \text{ of } 33 = \square \rightarrow \text{W}$

$2/5 \text{ of } 80 = \square \rightarrow \text{Y}$

$3/6 \text{ of } 4 = \square \rightarrow \text{N}$

Scratch space:

CLUE 3

Order of operations

To reveal the next clue, evaluate the multi-step formula used to calculate defensive efficiency rating.

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

T								T											
34	11	31	57	43	52	10	34	31	71	35	35	43	55	54	35	10	45	43	
59	10	71	6	52	71	58	58	31	35										

$22 + 4 \times 3 = \square \rightarrow \text{[T]}$

$8 \times 6 - 3 = \square \rightarrow \text{[M]}$

$38 + 5 \times 4 = \square \rightarrow \text{[Z]}$

$31 + 7 \times 3 = \square \rightarrow \text{[B]}$

$7 \times 10 - 27 = \square \rightarrow \text{[A]}$

$8 \times 8 - 5 = \square \rightarrow \text{[L]}$

$11 + 3 \times 8 = \square \rightarrow \text{[R]}$

$10 \times 9 - 19 = \square \rightarrow \text{[U]}$

$45 + 3 \times 4 = \square \rightarrow \text{[S]}$

$2 \times 12 - 13 = \square \rightarrow \text{[H]}$

$7 \times 10 - 16 = \square \rightarrow \text{[F]}$

$11 \times 3 - 23 = \square \rightarrow \text{[O]}$

$6 \times 10 - 5 = \square \rightarrow \text{[N]}$

$10 \times 4 - 9 = \square \rightarrow \text{[E]}$

$2 \times 6 - 6 = \square \rightarrow \text{[D]}$

Scratch space:

CLUE 4 Rounding

To translate the stat screen text, round the field goal percentage to the nearest whole number shown on the board.

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

E				E			E												
20	170	700	3000	20	500	50	20	5000	370	300	7000	5000	30	370	700	1100	370		
230	300	500	9000	130	30	700	430	5000	130	90	30	500	3000						

Round 19 to the nearest ten → **E**

Round 6,663 to the nearest thousand → **W**

Round 373 to the nearest ten → **H**

Round 428 to the nearest ten → **L**

Round 718 to the nearest hundred → **I**

Round 88 to the nearest ten → **R**

Round 3,026 to the nearest thousand → **D**

Round 30 to the nearest ten → **A**

Round 48 to the nearest ten → **C**

Round 5,472 to the nearest thousand → **S**

Round 9,247 to the nearest thousand → **Y**

Round 338 to the nearest hundred → **O**

Round 1,074 to the nearest hundred → **G**

Round 129 to the nearest ten → **T**

Round 169 to the nearest ten → **V**

Round 232 to the nearest ten → **P**

Round 514 to the nearest hundred → **N**

Scratch space:

CLUE 5**Division facts (1-12) - the last clue**

To complete the case file, divide the total practice cones equally among all training drills.

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:

$25 \div 5 = \boxed{}$

$22 \div 11 = \boxed{}$

$9 \div 3 = \boxed{}$

$28 \div 4 = \boxed{}$

$84 \div 7 = \boxed{}$

$32 \div 4 = \boxed{}$

$63 \div 7 = \boxed{}$

$11 \div 1 = \boxed{}$

$6 \div 6 = \boxed{}$

$30 \div 5 = \boxed{}$

$120 \div 12 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain dazzled defenders with a crossover dribble, then locked down opponents with intense defense.
2. The villain fooled the defense with a no look pass, then sidestepped defenders with a euro step.
3. The villain banked in a smooth off the glass shot, then locked down opponents with intense defense.
4. The villain trapped opponents with a full court press, then sidestepped defenders with a euro step.
5. The villain drilled a deep step back three, then executed a vicious ankle breaker.
6. The villain drilled a deep step back three, then sidestepped defenders with a euro step.
7. The villain banked in a smooth off the glass shot, then sprinted ahead on a fast break.
8. The villain fooled the defense with a no look pass, then sank a wild buzzer beater.
9. The villain dazzled defenders with a crossover dribble, then sprinted ahead on a fast break.
10. The villain drilled a deep step back three, then sank a wild buzzer beater.
11. The villain trapped opponents with a full court press, then sprinted ahead on a fast break.
12. The villain drilled a deep step back three, then locked down opponents with intense defense.

Answer Key

The Case of the Championship Trophy Hijack

Culprit: Nneka Ogwumike

Full Court Press · Euro Step · Right Handed · High Ponytail · Loud Buzzer

Trail: Start 21 → Clue 1 16 → Clue 2 11 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Multiplication facts (1-12)): "THE VILLAIN DOES NOT USE A BUZZER BEATER"

$11 \times 1 = 11$ (T) · $6 \times 12 = 72$ (V) · $2 \times 2 = 4$ (E) · $8 \times 12 = 96$ (Z) · $1 \times 5 = 5$ (L) · $1 \times 2 = 2$ (I) · $11 \times 6 = 66$ (R) · $4 \times 8 = 32$ (S) · $1 \times 7 = 7$ (A) · $1 \times 8 = 8$ (D) · $3 \times 5 = 15$ (B) · $10 \times 11 = 110$ (H) · $2 \times 8 = 16$ (N) · $8 \times 6 = 48$ (O) · $10 \times 8 = 80$ (U)

Clue 2 (Fractions of a number): "THE PLAYER DRIBBLES WITH THEIR RIGHT HAND"

$1/8$ of 32 = 4 (T) · $3/6$ of 58 = 29 (A) · $1/4$ of 72 = 18 (B) · $4/10$ of 65 = 26 (P) · $2/10$ of 95 = 19 (E) · $1/3$ of 69 = 23 (L) · $2/10$ of 155 = 31 (H) · $2/6$ of 39 = 13 (G) · $3/10$ of 70 = 21 (I) · $3/6$ of 24 = 12 (S) · $1/4$ of 160 = 40 (D) · $2/5$ of 60 = 24 (R) · $2/3$ of 33 = 22 (W) · $2/5$ of 80 = 32 (Y) · $3/6$ of 4 = 2 (N)

Clue 3 (Order of operations): "THE SABOTEUR RAN FROM A LOUD BUZZER"

$22 + 4 \times 3 = 34$ (T) · $8 \times 6 - 3 = 45$ (M) · $38 + 5 \times 4 = 58$ (Z) · $31 + 7 \times 3 = 52$ (B) · $7 \times 10 - 27 = 43$ (A) · $8 \times 8 - 5 = 59$ (L) · $11 + 3 \times 8 = 35$ (R) · $10 \times 9 - 19 = 71$ (U) · $45 + 3 \times 4 = 57$ (S) · $2 \times 12 - 13 = 11$ (H) · $7 \times 10 - 16 = 54$ (F) · $11 \times 3 - 23 = 10$ (O) · $6 \times 10 - 5 = 55$ (N) · $10 \times 4 - 9 = 31$ (E) · $2 \times 6 - 6 = 6$ (D)

Clue 4 (Rounding): "EVIDENCE SHOWS A HIGH PONYTAIL STRAND"

Round 19 to the nearest ten = 20 (E) · Round 6,663 to the nearest thousand = 7000 (W) · Round 373 to the nearest ten = 370 (H) · Round 428 to the nearest ten = 430 (L) · Round 718 to the nearest hundred = 700 (I) · Round 88 to the nearest ten = 90 (R) · Round 3,026 to the nearest thousand = 3000 (D) · Round 30 to the nearest ten = 30 (A) · Round 48 to the nearest ten = 50 (C) · Round 5,472 to the nearest thousand = 5000 (S) · Round 9,247 to the nearest thousand = 9000 (Y) · Round 338 to the nearest hundred = 300 (O) · Round 1,074 to the nearest hundred = 1100 (G) · Round 129 to the nearest ten = 130 (T) · Round 169 to the nearest ten = 170 (V) · Round 232 to the nearest ten = 230 (P) · Round 514 to the nearest hundred = 500 (N)

Clue 5 (Division facts (1-12)): surviving statement is box 4 → Nneka Ogwumike

$25 \div 5 = 5$ · $22 \div 11 = 2$ · $9 \div 3 = 3$ · $28 \div 4 = 7$ · $84 \div 7 = 12$ · $32 \div 4 = 8$ · $63 \div 7 = 9$ · $11 \div 1 = 11$ · $6 \div 6 = 1$ · $30 \div 5 = 6$ · $120 \div 12 = 10$