



The Case of the Missing Championship Trophy

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

Detective: _____ **Date:** _____

Right before the final whistle of the big tournament, the golden championship trophy vanished from the display case! The culprit slipped away through the gym doors. It is up to you to decode the court-side evidence and find the thief before the buzzer sounds!

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 Rival Player 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	SPECIAL GEAR	SHOOTING HAND	HAIR COLOR	DEFENSIVE FLAW
Paul George	No-Look Spin Pass	Glow-in-the-Dark Ball	Right-Handed Shooter	Jet Black Hair	Full-Court Press
Russell Westbrook	Ankle-Breaking Crossover	Squeaky Golden Shoes	Right-Handed Shooter	Jet Black Hair	Loud Crowds Cheering
Giannis Antetokounmpo	Ankle-Breaking Crossover	Glow-in-the-Dark Ball	Left-Handed Shooter	Bright Crimson Hair	Double-Team Defense
Damian Lillard	Unstoppable Skyhook	Glow-in-the-Dark Ball	Left-Handed Shooter	Jet Black Hair	Double-Team Defense
Nikola Jokic	Unstoppable Skyhook	Glow-in-the-Dark Ball	Right-Handed Shooter	Frosty Blue Hair	Double-Team Defense
Donovan Mitchell	Gravity-Defying Slam Dunk	Glow-in-the-Dark Ball	Left-Handed Shooter	Jet Black Hair	Full-Court Press
Kyrie Irving	Gravity-Defying Slam Dunk	Neon Green Sleeve	Right-Handed Shooter	Jet Black Hair	Full-Court Press
Luka Doncic	Unstoppable Skyhook	Squeaky Golden Shoes	Left-Handed Shooter	Bright Crimson Hair	Loud Crowds Cheering
Devin Booker	Ankle-Breaking Crossover	Shatterproof Goggles	Left-Handed Shooter	Bright Crimson Hair	Double-Team Defense
Jayson Tatum	Half-Court Buzzer Beater	Shatterproof Goggles	Left-Handed Shooter	Frosty Blue Hair	Double-Team Defense
Anthony Edwards	Gravity-Defying Slam Dunk	Neon Green Sleeve	Left-Handed Shooter	Bright Crimson Hair	Loud Crowds Cheering
Jimmy Butler	Ankle-Breaking Crossover	Polka-Dot Socks	Right-Handed Shooter	Jet Black Hair	Double-Team Defense
Zion Williamson	Unstoppable Skyhook	Shatterproof Goggles	Left-Handed Shooter	Bright Crimson Hair	Double-Team Defense
Kevin Durant	No-Look Spin Pass	Glow-in-the-Dark Ball	Right-Handed Shooter	Frosty Blue Hair	Full-Court Press
Kawhi Leonard	Gravity-Defying Slam Dunk	Polka-Dot Socks	Left-Handed Shooter	Bright Crimson Hair	Double-Team Defense
Tyrese Haliburton	Ankle-Breaking Crossover	Neon Green Sleeve	Left-Handed Shooter	Bright Crimson Hair	Loud Crowds Cheering
De'Aaron Fox	No-Look Spin Pass	Neon Green Sleeve	Left-Handed Shooter	Frosty Blue Hair	Double-Team Defense
Shai Gilgeous-Alexander	Half-Court Buzzer Beater	Polka-Dot Socks	Left-Handed Shooter	Bright Crimson Hair	Full-Court Press
Bam Adebayo	Unstoppable Skyhook	Neon Green Sleeve	Left-Handed Shooter	Bright Crimson Hair	Double-Team Defense
LeBron James	Gravity-Defying Slam Dunk	Squeaky Golden Shoes	Right-Handed Shooter	Jet Black Hair	Full-Court Press
James Harden	Gravity-Defying Slam Dunk	Polka-Dot Socks	Right-Handed Shooter	Bright Crimson Hair	Double-Team Defense

CLUE 1
Multiplication facts (1-12)

The arena manager has stacks of ball racks. To find the first clue hidden under a rack, count the total number of basketballs. Multiply the rows by the balls per row.

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

T																			
99	3	121	45	54	121	63	12	30	81	35	77	77	63	35	54	10	84	121	45
		T				T													
54	84	99	44	45	121	99	3	121	27	77	84	80	14	63	77	77			

$9 \times 11 = \square \rightarrow$ T	$11 \times 11 = \square \rightarrow$ E	$9 \times 7 = \square \rightarrow$ A	
$6 \times 9 = \square \rightarrow$ N	$10 \times 3 = \square \rightarrow$ Y	$11 \times 4 = \square \rightarrow$ U	
$9 \times 3 = \square \rightarrow$ G	$1 \times 10 = \square \rightarrow$ D	$9 \times 9 = \square \rightarrow$ V	$7 \times 5 = \square \rightarrow$ I
$8 \times 10 = \square \rightarrow$ W	$5 \times 9 = \square \rightarrow$ S	$12 \times 7 = \square \rightarrow$ O	
$12 \times 1 = \square \rightarrow$ K	$7 \times 11 = \square \rightarrow$ L	$3 \times 1 = \square \rightarrow$ H	
$7 \times 2 = \square \rightarrow$ B			

Scratch space:

CLUE 2

Fractions of a number

A locker room whiteboard has a strategy layout. Only a fraction of the sketched plays are real. Solve the fraction of the total plays to reveal the lock code.

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

A						A										A	
20	38	33	27	13	5	20	29	34	33	34	4	5	40	13	17	20	4
	A																
26	20	34	33	40	29	11	40	18	16	13							

$1/5 \text{ of } 100 = \square \rightarrow \text{A}$

$1/2 \text{ of } 76 = \square \rightarrow \text{L}$

$4/5 \text{ of } 50 = \square \rightarrow \text{O}$

$1/8 \text{ of } 88 = \square \rightarrow \text{C}$

$1/3 \text{ of } 54 = \square \rightarrow \text{U}$

$1/2 \text{ of } 32 = \square \rightarrow \text{R}$

$1/5 \text{ of } 165 = \square \rightarrow \text{E}$

$5/10 \text{ of } 10 = \square \rightarrow \text{H}$

$3/6 \text{ of } 34 = \square \rightarrow \text{W}$

$2/8 \text{ of } 108 = \square \rightarrow \text{F}$

$1/8 \text{ of } 104 = \square \rightarrow \text{T}$

$2/4 \text{ of } 68 = \square \rightarrow \text{D}$

$2/8 \text{ of } 104 = \square \rightarrow \text{M}$

$2/6 \text{ of } 12 = \square \rightarrow \text{S}$

$2/6 \text{ of } 87 = \square \rightarrow \text{N}$

Scratch space:

CLUE 3

Order of operations

The digital scoreboard is glitching out. Follow the correct order of operations with the scores to reset the board and unlock the next clue.

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

S																	
27	44	14	9	15	9	23	30	38	42	44	67	44	15	45	67	23	

S							S	S					
27	67	23	41	67	58	44	27	30	27	41	44	25	67

$5 \times 6 - 3 = \square \rightarrow \text{S}$

$5 \times 12 - 2 = \square \rightarrow \text{H}$

$7 \times 12 - 17 = \square \rightarrow \text{T}$

$10 \times 5 - 20 = \square \rightarrow \text{U}$

$7 + 2 \times 8 = \square \rightarrow \text{O}$

$2 + 2 \times 6 = \square \rightarrow \text{N}$

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

$9 \times 7 - 18 = \square \rightarrow \text{M}$

$29 + 2 \times 6 = \square \rightarrow \text{P}$

$5 \times 2 - 1 = \square \rightarrow \text{D}$

$15 + 5 \times 2 = \square \rightarrow \text{C}$

$24 + 9 \times 2 = \square \rightarrow \text{L}$

$12 \times 4 - 4 = \square \rightarrow \text{E}$

$2 \times 8 - 1 = \square \rightarrow \text{A}$

Scratch space:

CLUE 4

Rounding

The fan attendance tracker shows a huge number, but the scanner only saves the nearest hundred. Round the ticket sales to find the active security feed.

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

W															
110	2900	7000	300	50	20	430	170	2900	430	3000	290	30	170		
90	1100	170	290	20	430	90	290	1100	1100	3000	2900	3000	300	300	70

Round 113 to the nearest ten → **W**

Round 280 to the nearest hundred → **O**

Round 2,852 to the nearest hundred → **E**

Round 90 to the nearest ten → **S**

Round 434 to the nearest ten → **D**

Round 1,099 to the nearest hundred → **T**

Round 28 to the nearest ten → **I**

Round 2,827 to the nearest thousand → **H**

Round 73 to the nearest ten → **P**

Round 294 to the nearest ten → **A**

Round 166 to the nearest ten → **R**

Round 22 to the nearest ten → **N**

Round 6,908 to the nearest thousand → **F**

Round 52 to the nearest ten → **U**

Scratch space:

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

A big box of custom jerseys needs to be divided equally among the tournament teams. Work out the division to find the secret player roster.

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:

$56 \div 8 = \boxed{}$

$33 \div 11 = \boxed{}$

$99 \div 9 = \boxed{}$

$2 \div 2 = \boxed{}$

$18 \div 9 = \boxed{}$

$55 \div 11 = \boxed{}$

$56 \div 7 = \boxed{}$

$63 \div 7 = \boxed{}$

$20 \div 5 = \boxed{}$

$30 \div 5 = \boxed{}$

$12 \div 1 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain throws a crazy no-look spin pass, then flashes a neon green sleeve.
2. The villain throws a crazy no-look spin pass, then shows off their polka-dot socks.
3. The villain scores with an unstoppable skyhook, then flashes a neon green sleeve.
4. The villain executes a gravity-defying slam dunk, then bounces a glow-in-the-dark ball.
5. The villain scores with an unstoppable skyhook, then shows off their polka-dot socks.
6. The villain throws a crazy no-look spin pass, then bounces a glow-in-the-dark ball.
7. The villain performs an ankle-breaking crossover, then adjusts their shatterproof goggles.
8. The villain scores with an unstoppable skyhook, then squeaks off in golden shoes.
9. The villain scores with an unstoppable skyhook, then bounces a glow-in-the-dark ball.
10. The villain scores with an unstoppable skyhook, then adjusts their shatterproof goggles.
11. The villain executes a gravity-defying slam dunk, then shows off their polka-dot socks.
12. The villain executes a gravity-defying slam dunk, then squeaks off in golden shoes.

Answer Key

The Case of the Missing Championship Trophy

Culprit: Zion Williamson

Unstoppable Skyhook · Shatterproof Goggles · Left-Handed Shooter · Bright Crimson Hair · Double-Team Defense

Trail: Start 21 → Clue 1 15 → Clue 2 10 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Multiplication facts (1-12)): "THE SNEAKY VILLAIN DOES NOT USE THE GLOW BALL"

$9 \times 11 = 99$ (T) · $11 \times 11 = 121$ (E) · $9 \times 7 = 63$ (A) · $6 \times 9 = 54$ (N) · $10 \times 3 = 30$ (Y) · $11 \times 4 = 44$ (U) · $9 \times 3 = 27$ (G) · $1 \times 10 = 10$ (D) · $9 \times 9 = 81$ (V) · $7 \times 5 = 35$ (I) · $8 \times 10 = 80$ (W) · $5 \times 9 = 45$ (S) · $12 \times 7 = 84$ (O) · $12 \times 1 = 12$ (K) · $7 \times 11 = 77$ (L) · $3 \times 1 = 3$ (H) · $7 \times 2 = 14$ (B)

Clue 2 (Fractions of a number): "A LEFT HANDED SHOT WAS MADE ON COURT"

$\frac{1}{5}$ of 100 = 20 (A) · $\frac{1}{2}$ of 76 = 38 (L) · $\frac{4}{5}$ of 50 = 40 (O) · $\frac{1}{8}$ of 88 = 11 (C) · $\frac{1}{3}$ of 54 = 18 (U) · $\frac{1}{2}$ of 32 = 16 (R) · $\frac{1}{5}$ of 165 = 33 (E) · $\frac{5}{10}$ of 10 = 5 (H) · $\frac{3}{6}$ of 34 = 17 (W) · $\frac{2}{8}$ of 108 = 27 (F) · $\frac{1}{8}$ of 104 = 13 (T) · $\frac{2}{4}$ of 68 = 34 (D) · $\frac{2}{8}$ of 104 = 26 (M) · $\frac{2}{6}$ of 12 = 4 (S) · $\frac{2}{6}$ of 87 = 29 (N)

Clue 3 (Order of operations): "SEND A DOUBLE TEAM TO STOP THE SUSPECT"

$5 \times 6 - 3 = 27$ (S) · $5 \times 12 - 2 = 58$ (H) · $7 \times 12 - 17 = 67$ (T) · $10 \times 5 - 20 = 30$ (U) · $7 + 2 \times 8 = 23$ (O) · $2 + 2 \times 6 = 14$ (N) · $8 \times 7 - 18 = 38$ (B) · $9 \times 7 - 18 = 45$ (M) · $29 + 2 \times 6 = 41$ (P) · $5 \times 2 - 1 = 9$ (D) · $15 + 5 \times 2 = 25$ (C) · $24 + 9 \times 2 = 42$ (L) · $12 \times 4 - 4 = 44$ (E) · $2 \times 8 - 1 = 15$ (A)

Clue 4 (Rounding): "WE FOUND RED HAIR STRANDS AT THE HOOP"

Round 113 to the nearest ten = 110 (W) · Round 280 to the nearest hundred = 300 (O) · Round 2,852 to the nearest hundred = 2900 (E) · Round 90 to the nearest ten = 90 (S) · Round 434 to the nearest ten = 430 (D) · Round 1,099 to the nearest hundred = 1100 (T) · Round 28 to the nearest ten = 30 (I) · Round 2,827 to the nearest thousand = 3000 (H) · Round 73 to the nearest ten = 70 (P) · Round 294 to the nearest ten = 290 (A) · Round 166 to the nearest ten = 170 (R) · Round 22 to the nearest ten = 20 (N) · Round 6,908 to the nearest thousand = 7000 (F) · Round 52 to the nearest ten = 50 (U)

Clue 5 (Division facts (1-12)): surviving statement is box 10 → Zion Williamson

$56 \div 8 = 7$ · $33 \div 11 = 3$ · $99 \div 9 = 11$ · $2 \div 2 = 1$ · $18 \div 9 = 2$ · $55 \div 11 = 5$ · $56 \div 7 = 8$ · $63 \div 7 = 9$ · $20 \div 5 = 4$ · $30 \div 5 = 6$ · $12 \div 1 = 12$