



The Championship Trophy Caper

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

Detective: _____ **Date:** _____

The Golden Basketball Trophy has vanished from the center court display right before the championship buzzer! A rogue player from the tournament did it using high-tech power-ups. You must analyze the evidence to catch the thief.

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	SHOE POWERUP	SHOOTING HAND	HEADBAND COLOR	DEFENSIVE FOIL
Allen Iverson	Lightning Fast Crossover	Spring Loaded Soles	Right Handed Shooter	Electric Blue Band	Double Team Press
Anthony Davis	Halfcourt Hookshot	Turbo Speed Laces	Right Handed Shooter	Electric Blue Band	Slippery Court Sweat
Larry Bird	Lightning Fast Crossover	Hover Ankle Straps	Right Handed Shooter	Bright Orange Band	Double Team Press
Shaquille O'Neal	Gravity Defying Dunk	Spring Loaded Soles	Left Handed Shooter	Neon Green Band	Loud Referee Whistle
Tim Duncan	No Look Fullcourt Pass	Glow In The Dark Pumps	Right Handed Shooter	Electric Blue Band	Slippery Court Sweat
Kevin Durant	Three Point Swish	Turbo Speed Laces	Right Handed Shooter	Electric Blue Band	Slippery Court Sweat
Damian Lillard	No Look Fullcourt Pass	Spring Loaded Soles	Right Handed Shooter	Electric Blue Band	Slippery Court Sweat
Kobe Bryant	Gravity Defying Dunk	Glow In The Dark Pumps	Left Handed Shooter	Bright Orange Band	Double Team Press
Stephen Curry	No Look Fullcourt Pass	Spring Loaded Soles	Right Handed Shooter	Bright Orange Band	Slippery Court Sweat
Kyrie Irving	Three Point Swish	Glow In The Dark Pumps	Right Handed Shooter	Bright Orange Band	Slippery Court Sweat
Dwyane Wade	Halfcourt Hookshot	Turbo Speed Laces	Left Handed Shooter	Electric Blue Band	Slippery Court Sweat
Giannis Antetokounmpo	Halfcourt Hookshot	Glow In The Dark Pumps	Right Handed Shooter	Electric Blue Band	Slippery Court Sweat
Yao Ming	No Look Fullcourt Pass	Turbo Speed Laces	Right Handed Shooter	Bright Orange Band	Loud Referee Whistle
Michael Jordan	No Look Fullcourt Pass	Slick Floor Grippers	Right Handed Shooter	Electric Blue Band	Slippery Court Sweat
Nikola Jokic	Lightning Fast Crossover	Spring Loaded Soles	Left Handed Shooter	Electric Blue Band	Loud Referee Whistle
Kawhi Leonard	Three Point Swish	Turbo Speed Laces	Left Handed Shooter	Neon Green Band	Loud Referee Whistle
Dirk Nowitzki	No Look Fullcourt Pass	Glow In The Dark Pumps	Left Handed Shooter	Electric Blue Band	Loud Referee Whistle
Reggie Miller	No Look Fullcourt Pass	Hover Ankle Straps	Right Handed Shooter	Bright Orange Band	Slippery Court Sweat
LeBron James	No Look Fullcourt Pass	Turbo Speed Laces	Left Handed Shooter	Bright Orange Band	Slippery Court Sweat
Russell Westbrook	No Look Fullcourt Pass	Turbo Speed Laces	Right Handed Shooter	Neon Green Band	Double Team Press
Chris Paul	Gravity Defying Dunk	Slick Floor Grippers	Left Handed Shooter	Electric Blue Band	Slippery Court Sweat

CLUE 1

The arena scoreboard short-circuited during the chaos. The tech crew needs to find the digit in the hundreds place of the fan attendance number to reboot the security cameras.

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

Diagram illustrating the numbers and their corresponding 'T' markers (orange boxes) for the first two rows:

- Row 1: 200, 4000, 600, 300, 800, 300, 5000, 600, 80, 200, 50, 3000, 600, 300, 2000, 3000, 200. The 'T' marker is in the 10th position (200).
- Row 2: 60, 600, 7000, 70, 200, 800, 70, 10, 3000, 300, 5000, 600, 600, 50, 400, 7000, 80, 600, 300. The 'T' marker is in the 5th position (200).

What is the value of the 2 in 19,218? → **T**

What is the value of the 7 in 29,078? → **R**

What is the value of the 6 in 539,367? → **W**

What is the value of the 1 in 92,919? → **B**

What is the value of the 4 in 524,686? → **H**

What is the value of the 3 in 683,292? → ☐

What is the value of the 5 in 431,758? → **D**

What is the value of the 5 in 915,896? → **P**

What is the value of the 6 in 39,630? → **E**

What is the value of the 7 in 37,949? → **A**

What is the value of the 3 in 890,361? → **S**

What is the value of the 8 in 90,985? → **C**

What is the value of the 2 in 82,998? → **N**

What is the value of the 4 in 39,415? → **L**

What is the value of the 8 in 357,829? → **U**

Scratch space:

CLUE 2 Rounding

The radar gun clocked the runaway thief, but it only displays speed rounded to the nearest ten. Round the speed to unlock the security gate.

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

T 3700	2900	370	T 3700	2900	3000	370	7000	20	2900	50	T 3700	T 3700	2900	370	290	900	500	500
2000	3000	T 3700	2900	T 3700	2900	370	3000	230	230	3000	5000	2900	T 3700	2900	900	4300	700	

Round 3,713 to the nearest hundred →

T

Round 6,633 to the nearest thousand →

F

Round 2,969 to the nearest thousand →

I

Round 47 to the nearest ten →

O

Round 2,910 to the nearest hundred →

H

Round 233 to the nearest ten →

R

Round 4,269 to the nearest hundred →

N

Round 873 to the nearest hundred →

A

Round 366 to the nearest ten →

E

Round 1,929 to the nearest thousand →

W

Round 675 to the nearest hundred →

D

Round 287 to the nearest ten →

B

Round 20 to the nearest ten →

S

Round 4,626 to the nearest thousand →

G

Round 474 to the nearest hundred →

L

Scratch space:

CLUE 3
Multiplication facts (1-12)

To trace the getaway path, count the racks of basketballs. There are several rows with the same number of balls in each row.

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

T			T															
56	24	81	56	24	33	81	63	55	100	33	90	55	81	3	55	33	100	9
										T					T			
35	15	77	35	100	20	77	35	30	25	56	55	18	81	3	56			

$7 \times 8 = \square \rightarrow \boxed{\text{T}}$

$7 \times 5 = \square \rightarrow \boxed{\text{O}}$

$10 \times 10 = \square \rightarrow \boxed{\text{L}}$

$7 \times 11 = \square \rightarrow \boxed{\text{C}}$

$3 \times 1 = \square \rightarrow \boxed{\text{A}}$

$11 \times 5 = \square \rightarrow \boxed{\text{S}}$

$5 \times 5 = \square \rightarrow \boxed{\text{R}}$

$6 \times 4 = \square \rightarrow \boxed{\text{H}}$

$9 \times 2 = \square \rightarrow \boxed{\text{W}}$

$3 \times 11 = \square \rightarrow \boxed{\text{I}}$

$3 \times 3 = \square \rightarrow \boxed{\text{Y}}$

$5 \times 3 = \square \rightarrow \boxed{\text{N}}$

$9 \times 7 = \square \rightarrow \boxed{\text{F}}$

$10 \times 9 = \square \rightarrow \boxed{\text{P}}$

$9 \times 9 = \square \rightarrow \boxed{\text{E}}$

$10 \times 2 = \square \rightarrow \boxed{\text{D}}$

$10 \times 3 = \square \rightarrow \boxed{\text{U}}$

Scratch space:

CLUE 4
Fractions of a number

The coach needs to share the energy drinks. Only a fraction of the cooler is left, and we must calculate the exact number of bottles to keep the players energized.

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

A								A			A								
33	26	3	21	30	24	30	33	37	26	33	8	37	22	8	33	9	9	30	37
						A					A								
7	8	16	24	30	26	33	13	40	26	7	33	28	37						

$3/5 \text{ of } 55 = \square \rightarrow \boxed{\text{A}}$

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

$2/10 \text{ of } 140 = \square \rightarrow \boxed{\text{R}}$

$2/10 \text{ of } 185 = \square \rightarrow \boxed{\text{D}}$

$1/3 \text{ of } 27 = \square \rightarrow \boxed{\text{G}}$

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

$2/3 \text{ of } 60 = \square \rightarrow \boxed{\text{K}}$

$1/4 \text{ of } 96 = \square \rightarrow \boxed{\text{H}}$

$5/10 \text{ of } 16 = \square \rightarrow \boxed{\text{N}}$

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

$1/4 \text{ of } 120 = \square \rightarrow \boxed{\text{E}}$

$1/10 \text{ of } 30 = \square \rightarrow \boxed{\text{L}}$

$4/8 \text{ of } 26 = \square \rightarrow \boxed{\text{C}}$

$1/6 \text{ of } 126 = \square \rightarrow \boxed{\text{U}}$

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

Scratch space:

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

A bundle of practice jerseys must be divided equally among the team squads to clear the court floor and find the final 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:

$30 \div 6 = \boxed{}$

$70 \div 7 = \boxed{}$

$28 \div 4 = \boxed{}$

$4 \div 2 = \boxed{}$

$36 \div 12 = \boxed{}$

$36 \div 6 = \boxed{}$

$9 \div 9 = \boxed{}$

$28 \div 7 = \boxed{}$

$110 \div 10 = \boxed{}$

$120 \div 10 = \boxed{}$

$24 \div 3 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain scores a perfect three point swish, then speeds past on slick floor grippers.
2. The villain sinks a wild halfcourt hookshot, then bounces away on spring loaded soles.
3. The villain sinks a wild halfcourt hookshot, then speeds past on slick floor grippers.
4. The villain performs a lightning fast crossover, then dashes off using turbo speed laces.
5. The villain hurls a no look fullcourt pass, then lights up the tunnel with glow in the dark pumps.
6. The villain executes a gravity defying dunk, then dashes off using turbo speed laces.
7. The villain hurls a no look fullcourt pass, then bounces away on spring loaded soles.
8. The villain sinks a wild halfcourt hookshot, then floats over the railing with hover ankle straps.
9. The villain sinks a wild halfcourt hookshot, then lights up the tunnel with glow in the dark pumps.
10. The villain hurls a no look fullcourt pass, then speeds past on slick floor grippers.
11. The villain executes a gravity defying dunk, then lights up the tunnel with glow in the dark pumps.
12. The villain scores a perfect three point swish, then bounces away on spring loaded soles.

Answer Key

The Championship Trophy Caper

Culprit: Giannis Antetokounmpo

Halfcourt Hookshot · Glow In The Dark Pumps · Right Handed Shooter · Electric Blue Band · Slippery Court Sweat

Trail: Start 21 → Clue 1 14 → Clue 2 9 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Place value): "THE SUSPECT DOES NOT WEAR TURBO SPEED LACES"

What is the value of the 2 in 19,218? = 200 (T) · What is the value of the 7 in 29,078? = 70 (R) · What is the value of the 6 in 539,367? = 60 (W) · What is the value of the 1 in 92,919? = 10 (B) · What is the value of the 4 in 524,686? = 4000 (H) · What is the value of the 3 in 683,292? = 3000 (O) · What is the value of the 5 in 431,758? = 50 (D) · What is the value of the 5 in 915,896? = 5000 (P) · What is the value of the 6 in 39,630? = 600 (E) · What is the value of the 7 in 37,949? = 7000 (A) · What is the value of the 3 in 890,361? = 300 (S) · What is the value of the 8 in 90,985? = 80 (C) · What is the value of the 2 in 82,998? = 2000 (N) · What is the value of the 4 in 39,415? = 400 (L) · What is the value of the 8 in 357,829? = 800 (U)

Clue 2 (Rounding): "THE THIEF SHOT THE BALL WITH THEIR RIGHT HAND"

Round 3,713 to the nearest hundred = 3700 (T) · Round 6,633 to the nearest thousand = 7000 (F) · Round 2,969 to the nearest thousand = 3000 (I) · Round 47 to the nearest ten = 50 (O) · Round 2,910 to the nearest hundred = 2900 (H) · Round 233 to the nearest ten = 230 (R) · Round 4,269 to the nearest hundred = 4300 (N) · Round 873 to the nearest hundred = 900 (A) · Round 366 to the nearest ten = 370 (E) · Round 1,929 to the nearest thousand = 2000 (W) · Round 675 to the nearest hundred = 700 (D) · Round 287 to the nearest ten = 290 (B) · Round 20 to the nearest ten = 20 (S) · Round 4,626 to the nearest thousand = 5000 (G) · Round 474 to the nearest hundred = 500 (L)

Clue 3 (Multiplication facts (1-12)): "THE THIEF SLIPS EASILY ON COLD COURT SWEAT"

$7 \times 8 = 56$ (T) · $7 \times 5 = 35$ (O) · $10 \times 10 = 100$ (L) · $7 \times 11 = 77$ (C) · $3 \times 1 = 3$ (A) · $11 \times 5 = 55$ (S) · $5 \times 5 = 25$ (R) · $6 \times 4 = 24$ (H) · $9 \times 2 = 18$ (W) · $3 \times 11 = 33$ (I) · $3 \times 3 = 9$ (Y) · $5 \times 3 = 15$ (N) · $9 \times 7 = 63$ (F) · $10 \times 9 = 90$ (P) · $9 \times 9 = 81$ (E) · $10 \times 2 = 20$ (D) · $10 \times 3 = 30$ (U)

Clue 4 (Fractions of a number): "A BLUE HEADBAND SNAGGED ON THE BACKBOARD"

$\frac{3}{5}$ of 55 = 33 (A) · $\frac{1}{3}$ of 21 = 7 (O) · $\frac{2}{10}$ of 140 = 28 (R) · $\frac{2}{10}$ of 185 = 37 (D) · $\frac{1}{3}$ of 27 = 9 (G) · $\frac{2}{3}$ of 33 = 22 (S) · $\frac{2}{3}$ of 60 = 40 (K) · $\frac{1}{4}$ of 96 = 24 (H) · $\frac{5}{10}$ of 16 = 8 (N) · $\frac{1}{2}$ of 32 = 16 (T) · $\frac{1}{4}$ of 120 = 30 (E) · $\frac{1}{10}$ of 30 = 3 (L) · $\frac{4}{8}$ of 26 = 13 (C) · $\frac{1}{6}$ of 126 = 21 (U) · $\frac{4}{10}$ of 65 = 26 (B)

Clue 5 (Division facts (1-12)): surviving statement is box 9 → Giannis Antetokounmpo

$30 \div 6 = 5$ · $70 \div 7 = 10$ · $28 \div 4 = 7$ · $4 \div 2 = 2$ · $36 \div 12 = 3$ · $36 \div 6 = 6$ · $9 \div 9 = 1$ · $28 \div 7 = 4$ · $110 \div 10 = 11$ · $120 \div 10 = 12$ · $24 \div 3 = 8$