



The Championship Trophy Capers

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

Detective: _____ Date: _____

The golden Championship Trophy has vanished from the high-security center court vault! A mysterious rogue has left a trail of scuffed court tiles and high-tops. It is up to you to decode the playbook and find the phantom player.

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 Phantom Baller is _____

Possible suspects

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

NAME	SIGNATURE SHOT	DEFENSIVE MOVE	SHOOTING HAND	HEADWEAR	TACTICAL FLAW
Anthony Davis	step-back three	ankle breaker	left-handed	blue headband	double team play
LeBron James	sky-high layup	unreal crossover	right-handed	neon sweatband	zone defense trap
Nikola Jokic	no-look buzzer beater	unreal crossover	right-handed	blue headband	zone defense trap
Donovan Mitchell	no-look buzzer beater	chase-down block	right-handed	blue headband	zone defense trap
Kevin Durant	half-court hook	full-court press	right-handed	retro snapback	full court trap
Joel Embiid	sky-high layup	full-court press	right-handed	blue headband	zone defense trap
Damian Lillard	sky-high layup	unreal crossover	right-handed	retro snapback	full court trap
Giannis Antetokounmpo	step-back three	unreal crossover	left-handed	blue headband	double team play
James Harden	half-court hook	full-court press	left-handed	retro snapback	zone defense trap
Kyrie Irving	half-court hook	unreal crossover	left-handed	blue headband	full court trap
Paul George	no-look buzzer beater	full-court press	left-handed	neon sweatband	double team play
Jayson Tatum	no-look buzzer beater	full-court press	right-handed	retro snapback	full court trap
Devin Booker	no-look buzzer beater	unreal crossover	right-handed	blue headband	full court trap
De'Aaron Fox	half-court hook	chase-down block	right-handed	retro snapback	zone defense trap
Ja Morant	sky-high layup	ankle breaker	right-handed	retro snapback	zone defense trap
Steph Curry	no-look buzzer beater	unreal crossover	right-handed	retro snapback	zone defense trap
Jimmy Butler	sky-high layup	unreal crossover	right-handed	retro snapback	zone defense trap
Jaylen Brown	double clutch dunk	chase-down block	right-handed	neon sweatband	zone defense trap
Shai Gilgeous-Alexander	double clutch dunk	ankle breaker	left-handed	blue headband	full court trap
Luka Doncic	double clutch dunk	ankle breaker	right-handed	neon sweatband	full court trap
Kawhi Leonard	no-look buzzer beater	lightning spin move	right-handed	retro snapback	zone defense trap

CLUE 1

S

400 200 3000 6000 9000 3000 8000 60 5000 30 3000 6000 9000 30 400 10 6000 3000

400 200 3000 6000 500 800 9000 50 30 700 3000

T

U

M

10

v

10

H

10

P

K

E

A

N

S

10

1

O

11

⇒

S

CLUE 2
Multiplication facts (1-12)

To find the next clue we must calculate the total basketballs stored in five large racks of twelve.

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

T			T															T	
3	22	144	3	22	55	144	66	96	81	55	8	8	121	144	5	15	55	3	22

T							T				
3	22	144	81	55	32	22	3	22	42	10	96

$1 \times 3 = \square \rightarrow$ T	$5 \times 3 = \square \rightarrow$ W	$8 \times 1 = \square \rightarrow$ B	$4 \times 8 = \square \rightarrow$ G
$11 \times 6 = \square \rightarrow$ F	$11 \times 11 = \square \rightarrow$ L	$1 \times 5 = \square \rightarrow$ S	
$12 \times 12 = \square \rightarrow$ E	$2 \times 11 = \square \rightarrow$ H	$8 \times 12 = \square \rightarrow$ D	
$6 \times 7 = \square \rightarrow$ A	$9 \times 9 = \square \rightarrow$ R	$5 \times 11 = \square \rightarrow$ I	$2 \times 5 = \square \rightarrow$ N

Scratch space:

CLUE 3 Rounding

The arena speed radar only shows rounded numbers so we must round the ball velocity to unlock this hint.

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

A																	
2900	300	9000	20	170	90	170	230	170	20	290	170	7000	430	4300	4300		

		A								A					
3700	700	2900	3000	3700	900	430	290	3000	4300	2900	30	170	700		

Round 2,865 to the nearest hundred → **A**

Round 4,286 to the nearest hundred → **L**

Round 91 to the nearest ten → **D**

Round 6,894 to the nearest thousand → **W**

Round 3,689 to the nearest hundred → **T**

Round 894 to the nearest hundred → **H**

Round 298 to the nearest hundred → **Z**

Round 428 to the nearest ten → **I**

Round 23 to the nearest ten → **N**

Round 8,847 to the nearest thousand → **O**

Round 29 to the nearest ten → **Y**

Round 168 to the nearest ten → **E**

Round 3,214 to the nearest thousand → **P**

Round 293 to the nearest ten → **S**

Round 228 to the nearest ten → **F**

Round 654 to the nearest hundred → **R**

Scratch space:

CLUE 4
Fractions of a number

By calculating exactly three-fourths of the forty jerseys in the laundry bin we find the code for the locker room.

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

T										T								
25	37	17	16	30	16	11	17	29	25	13	35	15	11	17	13	3		

		T											
35	17	25	35	15	16	33	3	11	32	3	29	22	

$4/8 \text{ of } 50 = \square \rightarrow \boxed{\text{T}}$

$1/2 \text{ of } 22 = \square \rightarrow \boxed{\text{P}}$

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

$1/4 \text{ of } 140 = \square \rightarrow \boxed{\text{R}}$

$3/5 \text{ of } 25 = \square \rightarrow \boxed{\text{O}}$

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

$4/6 \text{ of } 45 = \square \rightarrow \boxed{\text{U}}$

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

$1/2 \text{ of } 64 = \square \rightarrow \boxed{\text{B}}$

$5/10 \text{ of } 58 = \square \rightarrow \boxed{\text{C}}$

$4/8 \text{ of } 44 = \square \rightarrow \boxed{\text{K}}$

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

$2/4 \text{ of } 34 = \square \rightarrow \boxed{\text{E}}$

$1/10 \text{ of } 160 = \square \rightarrow \boxed{\text{S}}$

Scratch space:

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

We divide the eighty team towels equally among the players to solve the final locker combination.

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:

$36 \div 9 = \boxed{}$

$132 \div 12 = \boxed{}$

$49 \div 7 = \boxed{}$

$24 \div 2 = \boxed{}$

$18 \div 9 = \boxed{}$

$4 \div 4 = \boxed{}$

$30 \div 3 = \boxed{}$

$12 \div 2 = \boxed{}$

$36 \div 12 = \boxed{}$

$81 \div 9 = \boxed{}$

$35 \div 7 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain drills a step-back three, then swats a chase-down block.
2. The villain smashes a half-court hook, then powers through a lightning spin move.
3. The villain sinks a no-look buzzer beater, then executes an ankle breaker.
4. The villain sinks a no-look buzzer beater, then unleashes an unreal crossover.
5. The villain drills a step-back three, then unleashes an unreal crossover.
6. The villain slams a double clutch dunk, then initiates a full-court press.
7. The villain smashes a half-court hook, then swats a chase-down block.
8. The villain glides in a sky-high layup, then executes an ankle breaker.
9. The villain slams a double clutch dunk, then executes an ankle breaker.
10. The villain slams a double clutch dunk, then swats a chase-down block.
11. The villain glides in a sky-high layup, then unleashes an unreal crossover.
12. The villain drills a step-back three, then powers through a lightning spin move.

Answer Key

The Championship Trophy Capers

Culprit: Ja Morant

sky-high layup · ankle breaker · right-handed · retro snapback · zone defense trap

Trail: Start 21 → Clue 1 20 → Clue 2 14 → Clue 3 9 → Clue 4 4 → Clue 5 1

Clue 1 (Place value): "THE SNEAK DOES NOT USE THE SPIN MOVE"

What is the value of the 4 in 88,413? = 400 (T) · What is the value of the 1 in 85,016? = 10 (U) · What is the value of the 5 in 476,951? = 50 (M) · What is the value of the 7 in 84,746? = 700 (V) · What is the value of the 2 in 17,273? = 200 (H) · What is the value of the 5 in 123,568? = 500 (P) · What is the value of the 6 in 75,461? = 60 (K) · What is the value of the 3 in 773,296? = 3000 (E) · What is the value of the 8 in 638,419? = 8000 (A) · What is the value of the 9 in 89,786? = 9000 (N) · What is the value of the 6 in 586,219? = 6000 (S) · What is the value of the 8 in 67,819? = 800 (I) · What is the value of the 3 in 951,931? = 30 (O) · What is the value of the 5 in 205,003? = 5000 (D)

Clue 2 (Multiplication facts (1-12)): "THE THIEF DRIBBLES WITH THE RIGHT HAND"

$1 \times 3 = 3$ (T) · $5 \times 3 = 15$ (W) · $8 \times 1 = 8$ (B) · $4 \times 8 = 32$ (G) · $11 \times 6 = 66$ (F) · $11 \times 11 = 121$ (L) · $1 \times 5 = 5$ (S) · $12 \times 12 = 144$ (E) · $2 \times 11 = 22$ (H) · $8 \times 12 = 96$ (D) · $6 \times 7 = 42$ (A) · $9 \times 9 = 81$ (R) · $5 \times 11 = 55$ (I) · $2 \times 5 = 10$ (N)

Clue 3 (Rounding): "A ZONE DEFENSE WILL TRAP THIS PLAYER"

Round 2,865 to the nearest hundred = 2900 (A) · Round 4,286 to the nearest hundred = 4300 (L) · Round 91 to the nearest ten = 90 (D) · Round 6,894 to the nearest thousand = 7000 (W) · Round 3,689 to the nearest hundred = 3700 (T) · Round 894 to the nearest hundred = 900 (H) · Round 298 to the nearest hundred = 300 (Z) · Round 428 to the nearest ten = 430 (I) · Round 23 to the nearest ten = 20 (N) · Round 8,847 to the nearest thousand = 9000 (O) · Round 29 to the nearest ten = 30 (Y) · Round 168 to the nearest ten = 170 (E) · Round 3,214 to the nearest thousand = 3000 (P) · Round 293 to the nearest ten = 290 (S) · Round 228 to the nearest ten = 230 (F) · Round 654 to the nearest hundred = 700 (R)

Clue 4 (Fractions of a number): "THE SUSPECT DROPPED A RETRO SNAPBACK"

$\frac{4}{8}$ of 50 = 25 (T) · $\frac{1}{2}$ of 22 = 11 (P) · $\frac{1}{3}$ of 9 = 3 (A) · $\frac{1}{4}$ of 140 = 35 (R) · $\frac{3}{5}$ of 25 = 15 (O) · $\frac{2}{6}$ of 39 = 13 (D) · $\frac{4}{6}$ of 45 = 30 (U) · $\frac{2}{10}$ of 185 = 37 (H) · $\frac{1}{2}$ of 64 = 32 (B) · $\frac{5}{10}$ of 58 = 29 (C) · $\frac{4}{8}$ of 44 = 22 (K) · $\frac{3}{5}$ of 55 = 33 (N) · $\frac{2}{4}$ of 34 = 17 (E) · $\frac{1}{10}$ of 160 = 16 (S)

Clue 5 (Division facts (1-12)): surviving statement is box 8 → Ja Morant

$36 \div 9 = 4$ · $132 \div 12 = 11$ · $49 \div 7 = 7$ · $24 \div 2 = 12$ · $18 \div 9 = 2$ · $4 \div 4 = 1$ · $30 \div 3 = 10$ · $12 \div 2 = 6$ · $36 \div 12 = 3$ · $81 \div 9 = 9$ · $35 \div 7 = 5$