The Great Championship Trophy Caper

Grade 4 math · Place value, Addition, Rounding, Subtraction, Division · Reading level grades 3-4

Detective: _____ **Date:** _____

Right before the final championship buzzer, the shiny gold trophy went missing from center court! Someone used high-flying basketball moves and sneaky gear to sneak off with the prize.

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 Hoop Hijacker is _____

Possible suspects

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

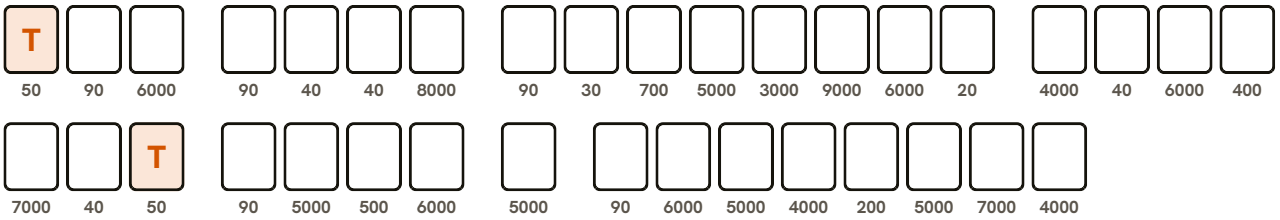
NAME	SIGNATURE MOVE	PRO GEAR	DOMINANT HAND	HAIRSTYLE	BIG WEAKNESS
Giannis Antetokounmpo	Fadeaway Shot	Gold Whistle	Right Handed	Curly Afro	Loud Buzzer
Anthony Davis	Fadeaway Shot	Grip Resin Bag	Left Handed	Curly Afro	Loud Buzzer
Kevin Durant	Slam Dunk	Sweat Headband	Left Handed	Buzz Cut	Slippery Floor
Jimmy Butler	Slam Dunk	High Top Kicks	Left Handed	Curly Afro	Squeaky Shoes
Devin Booker	Sky Hook	Padded Arm Sleeve	Left Handed	Slick Ponytail	Loud Buzzer
Jayson Tatum	Fadeaway Shot	Grip Resin Bag	Right Handed	Curly Afro	Loud Buzzer
Damian Lillard	Sky Hook	Grip Resin Bag	Right Handed	Slick Ponytail	Squeaky Shoes
Donovan Mitchell	Crossover Dribble	Padded Arm Sleeve	Left Handed	Curly Afro	Squeaky Shoes
LeBron James	Fadeaway Shot	Gold Whistle	Right Handed	Buzz Cut	Loud Buzzer
Elena Delle Donne	Crossover Dribble	High Top Kicks	Right Handed	Curly Afro	Slippery Floor
Diana Taurasi	Three Pointer	Grip Resin Bag	Left Handed	Slick Ponytail	Slippery Floor
Zion Williamson	Slam Dunk	Padded Arm Sleeve	Right Handed	Curly Afro	Loud Buzzer
Aja Wilson	Fadeaway Shot	High Top Kicks	Left Handed	Buzz Cut	Squeaky Shoes
Trae Young	Slam Dunk	Grip Resin Bag	Left Handed	Curly Afro	Loud Buzzer
Kelsey Plum	Sky Hook	Grip Resin Bag	Left Handed	Slick Ponytail	Slippery Floor
Luka Doncic	Crossover Dribble	High Top Kicks	Right Handed	Slick Ponytail	Slippery Floor
Steph Curry	Fadeaway Shot	Sweat Headband	Left Handed	Slick Ponytail	Slippery Floor
Joel Embiid	Sky Hook	Sweat Headband	Right Handed	Curly Afro	Loud Buzzer
Ja Morant	Slam Dunk	Sweat Headband	Left Handed	Slick Ponytail	Loud Buzzer
Kyrie Irving	Crossover Dribble	Gold Whistle	Right Handed	Slick Ponytail	Slippery Floor
Breanna Stewart	Sky Hook	High Top Kicks	Right Handed	Curly Afro	Loud Buzzer

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CLUE 1 Place value

To decode the security keypad on the locker room door, check the digits and place value of the giant scoreboard.

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



What is the value of the 5 in 157? ☐ → T

What is the value of the 5 in 15,988? ☐ → A

What is the value of the 4 in 1,465? ☐ → S

What is the value of the 9 in 59,236? ☐ → K

What is the value of the 7 in 97,410? ☐ → N

What is the value of the 7 in 791? ☐ → J

What is the value of the 3 in 1,738? ☐ → I

What is the value of the 2 in 528? ☐ → R

What is the value of the 4 in 940? ☐ → O

What is the value of the 4 in 4,659? ☐ → D

What is the value of the 6 in 96,174? ☐ → E

What is the value of the 5 in 2,529? ☐ → V

What is the value of the 8 in 8,901? ☐ → P

What is the value of the 9 in 2,196? ☐ → H

What is the value of the 2 in 265? ☐ → B

What is the value of the 3 in 63,925? ☐ → C

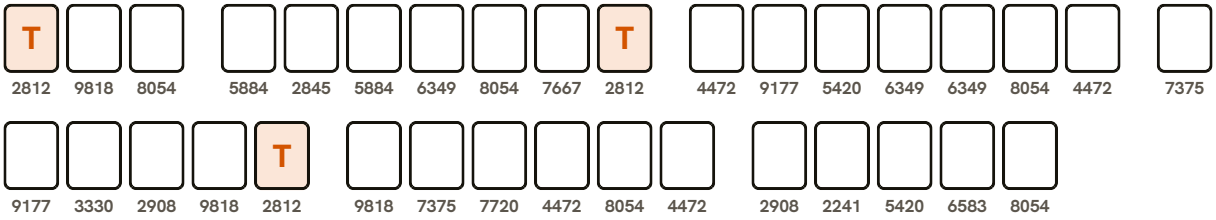
Scratch space:

CLUE 2

Addition

Tally up all the practice basketballs found in the equipment bin to reveal the next clue.

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



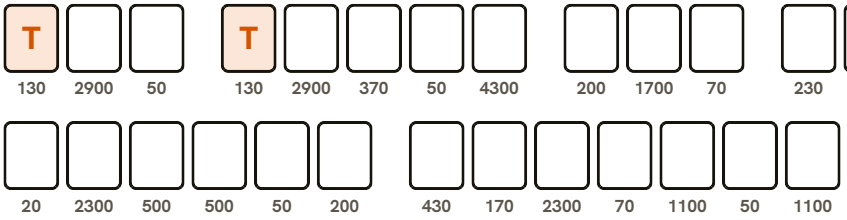
1476 + 1336 = ☐ → T	3307 + 3042 = ☐ → P	3274 + 4780 = ☐ → E
2062 + 3822 = ☐ → S	1047 + 2283 = ☐ → I	4869 + 2798 = ☐ → C
2725 + 1747 = ☐ → D	3592 + 1828 = ☐ → O	1189 + 1719 = ☐ → G
5371 + 2349 = ☐ → N	4425 + 5393 = ☐ → H	3467 + 3908 = ☐ → A
4145 + 2438 = ☐ → V	796 + 1445 = ☐ → L	944 + 1901 = ☐ → U
4658 + 4519 = ☐ → R		

Scratch space:

CLUE 3 Rounding

> The electronic fan counter rounds total arena guests to the nearest hundred to unlock the press box.

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



Round 128 to the nearest ten ☐ → **T**

Round 227 to the nearest ten ☐ → **W**

Round 4,280 to the nearest hundred ☐ → **F**

Round 431 to the nearest ten ☐ → **S**

Round 173 to the nearest ten ☐ → **O**

Round 366 to the nearest ten ☐ → **I**

Round 16 to the nearest ten ☐ → **B**

Round 215 to the nearest hundred ☐ → **R**

Round 1,079 to the nearest hundred ☐ → **D**

Round 1,724 to the nearest hundred ☐ → **A**

Round 2,339 to the nearest hundred ☐ → **U**

Round 525 to the nearest hundred ☐ → **Z**

Round 2,884 to the nearest hundred ☐ → **H**

Round 72 to the nearest ten ☐ → **N**

Round 46 to the nearest ten ☐ → **E**

Scratch space:

CLUE 4 Subtraction

Subtract the missing towels from the total bench supply to discover where the thief fled.

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



6219 - 4353 = ☐ → C

9885 - 1442 = ☐ → F

3930 - 2546 = ☐ → O

3357 - 1217 = ☐ → U

8372 - 4078 = ☐ → H

5781 - 1711 = ☐ → W

5634 - 3126 = ☐ → N

8794 - 1193 = ☐ → L

11934 - 4178 = ☐ → I

7420 - 961 = ☐ → Y

6188 - 2872 = ☐ → A

8961 - 624 = ☐ → T

9004 - 868 = ☐ → S

2180 - 970 = ☐ → R

4159 - 2955 = ☐ → E

Scratch space:

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

Divide the energy drinks equally among the starter squads to get the final clue from the assistant coach.

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:

16 ÷ 2 = ☐	5 ÷ 5 = ☐	16 ÷ 4 = ☐	36 ÷ 3 = ☐	35 ÷ 5 = ☐
80 ÷ 8 = ☐	15 ÷ 5 = ☐	81 ÷ 9 = ☐	60 ÷ 10 = ☐	11 ÷ 1 = ☐
30 ÷ 6 = ☐				

Step 2 - cross out the sentence with each answer:

1. The villain drained a fadeaway shot, then dusted on grip resin.
2. The villain threw down a slam dunk, then adjusted the padded arm sleeve.
3. The villain sank a sky hook, then adjusted the padded arm sleeve.
4. The villain sank a sky hook, then laced up high top kicks.
5. The villain busted a crossover dribble, then snatched the sweat headband.
6. The villain hit a three pointer, then grabbed the gold whistle.
7. The villain busted a crossover dribble, then laced up high top kicks.
8. The villain drained a fadeaway shot, then grabbed the gold whistle.
9. The villain drained a fadeaway shot, then adjusted the padded arm sleeve.
10. The villain hit a three pointer, then laced up high top kicks.
11. The villain hit a three pointer, then dusted on grip resin.
12. The villain drained a fadeaway shot, then snatched the sweat headband.

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TEACHER / PARENT

Answer Key

The Great Championship Trophy Caper

Culprit: Zion Williamson

Slam Dunk · Padded Arm Sleeve · Right Handed · Curly Afro · Loud Buzzer

Trail: Start 21 → Clue 1 17 → Clue 2 9 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Place value): "THE HOOP HIJACKER DOES NOT HAVE A HEADBAND"

What is the value of the 5 in 157? = 50 (T) · What is the value of the 5 in 15,988? = 5000 (A) · What is the value of the 4 in 1,465? = 400 (S) · What is the value of the 9 in 59,236? = 9000 (K) · What is the value of the 7 in 97,410? = 7000 (N) · What is the value of the 7 in 791? = 700 (J) · What is the value of the 3 in 1,738? = 30 (I) · What is the value of the 2 in 528? = 20 (R) · What is the value of the 4 in 940? = 40 (O) · What is the value of the 4 in 4,659? = 4000 (D) · What is the value of the 6 in 96,174? = 6000 (E) · What is the value of the 5 in 2,529? = 500 (V) · What is the value of the 8 in 8,901? = 8000 (P) · What is the value of the 9 in 2,196? = 90 (H) · What is the value of the 2 in 265? = 200 (B) · What is the value of the 3 in 63,925? = 3000 (C)

Clue 2 (Addition): "THE SUSPECT DROPPED A RIGHT HANDED GLOVE"

1476 + 1336 = 2812 (T) · 3307 + 3042 = 6349 (P) · 3274 + 4780 = 8054 (E) · 2062 + 3822 = 5884 (S) · 1047 + 2283 = 3330 (I) · 4869 + 2798 = 7667 (C) · 2725 + 1747 = 4472 (D) · 3592 + 1828 = 5420 (O) · 1189 + 1719 = 2908 (G) · 5371 + 2349 = 7720 (N) · 4425 + 5393 = 9818 (H) · 3467 + 3908 = 7375 (A) · 4145 + 2438 = 6583 (V) · 796 + 1445 = 2241 (L) · 944 + 1901 = 2845 (U) · 4658 + 4519 = 9177 (R)

Clue 3 (Rounding): "THE THIEF RAN WHEN THE BUZZER SOUNDED"

Round 128 to the nearest ten = 130 (T) · Round 227 to the nearest ten = 230 (W) · Round 4,280 to the nearest hundred = 4300 (F) · Round 431 to the nearest ten = 430 (S) · Round 173 to the nearest ten = 170 (O) · Round 366 to the nearest ten = 370 (I) · Round 16 to the nearest ten = 20 (B) · Round 215 to the nearest hundred = 200 (R) · Round 1,079 to the nearest hundred = 1100 (D) · Round 1,724 to the nearest hundred = 1700 (A) · Round 2,339 to the nearest hundred = 2300 (U) · Round 525 to the nearest hundred = 500 (Z) · Round 2,884 to the nearest hundred = 2900 (H) · Round 72 to the nearest ten = 70 (N) · Round 46 to the nearest ten = 50 (E)

Clue 4 (Subtraction): "CURLY AFRO HAIR WAS LEFT NEAR THE NET"

6219 - 4353 = 1866 (C) · 9885 - 1442 = 8443 (F) · 3930 - 2546 = 1384 (O) · 3357 - 1217 = 2140 (U) · 8372 - 4078 = 4294 (H) · 5781 - 1711 = 4070 (W) · 5634 - 3126 = 2508 (N) · 8794 - 1193 = 7601 (L) · 11934 - 4178 = 7756 (I) · 7420 - 961 = 6459 (Y) · 6188 - 2872 = 3316 (A) · 8961 - 624 = 8337 (T) · 9004 - 868 = 8136 (S) · 2180 - 970 = 1210 (R) · 4159 - 2955 = 1204 (E)

Clue 5 (Division facts (1-12)): surviving statement is box 2 → Zion Williamson

16 ÷ 2 = 8 · 5 ÷ 5 = 1 · 16 ÷ 4 = 4 · 36 ÷ 3 = 12 · 35 ÷ 5 = 7 · 80 ÷ 8 = 10 · 15 ÷ 5 = 3 · 81 ÷ 9 = 9 · 60 ÷ 10 = 6 · 11 ÷ 1 = 11 · 30 ÷ 6 = 5