The Championship Trophy Caper

Grade 6 math · Subtraction, Multiplication, Addition, Percentages, Division · Reading level grades 5-6

Detective: _____ **Date:** _____

Just hours before the ultimate championship final at Metro Center Arena, the golden trophy vanished from center court! Detective Sam arrived to interview the players and analyze clues before tip-off.

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 bandit 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	COURT GEAR	SHOOTING STYLE	HAIRSTYLE	COURT HAZARD
Anthony Edwards	Power Dunk	Glow Sneakers	Right Handed Shooter	Buzz Cut	Bright Lights
Giannis Antetokounmpo	Fast Break	Sticky Gloves	Left Handed Shooter	Braided Cornrows	Bright Lights
Ja Morant	Sky Hook	Bounce Band	Left Handed Shooter	Braided Cornrows	Slippery Floor
DeAaron Fox	Ankle Breaker	Laser Whistle	Left Handed Shooter	High Top Fade	Loud Horn
Joel Embiid	Fast Break	Noise Headband	Left Handed Shooter	High Top Fade	Loud Horn
Jayson Tatum	Power Dunk	Glow Sneakers	Left Handed Shooter	Braided Cornrows	Bright Lights
Nikola Jokic	Sky Hook	Glow Sneakers	Right Handed Shooter	Braided Cornrows	Bright Lights
Devin Booker	Spin Move	Sticky Gloves	Right Handed Shooter	Braided Cornrows	Bright Lights
Jimmy Butler	Fast Break	Bounce Band	Left Handed Shooter	Braided Cornrows	Loud Horn
Luka Doncic	Ankle Breaker	Laser Whistle	Left Handed Shooter	Braided Cornrows	Slippery Floor
Zion Williamson	Power Dunk	Laser Whistle	Right Handed Shooter	Buzz Cut	Slippery Floor
Kevin Durant	Spin Move	Glow Sneakers	Left Handed Shooter	High Top Fade	Slippery Floor
Damian Lillard	Spin Move	Noise Headband	Left Handed Shooter	Braided Cornrows	Bright Lights
Jalen Brunson	Power Dunk	Glow Sneakers	Left Handed Shooter	High Top Fade	Bright Lights
Trae Young	Power Dunk	Noise Headband	Left Handed Shooter	Braided Cornrows	Loud Horn
Donovan Mitchell	Fast Break	Bounce Band	Left Handed Shooter	Buzz Cut	Loud Horn
Tyrese Haliburton	Power Dunk	Noise Headband	Right Handed Shooter	Buzz Cut	Bright Lights
LeBron James	Power Dunk	Laser Whistle	Left Handed Shooter	High Top Fade	Loud Horn
Steph Curry	Spin Move	Sticky Gloves	Right Handed Shooter	High Top Fade	Slippery Floor
Bam Adebayo	Power Dunk	Noise Headband	Left Handed Shooter	Braided Cornrows	Bright Lights
Kyrie Irving	Ankle Breaker	Noise Headband	Left Handed Shooter	Braided Cornrows	Bright Lights

CLUE 1

Subtraction

The security guard checked the scoreboard display after subtracting missing points from the total tally.

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



10200 - 2190 = ☐ → T

3382 - 668 = ☐ → H

2428 - 643 = ☐ → Y

6878 - 2323 = ☐ → K

10921 - 3065 = ☐ → O

6323 - 3443 = ☐ → L

6270 - 1103 = ☐ → S

6931 - 331 = ☐ → G

7402 - 4396 = ☐ → N

9894 - 2066 = ☐ → I

10629 - 3874 = ☐ → V

9829 - 4409 = ☐ → D

5784 - 799 = ☐ → R

3322 - 1819 = ☐ → F

10095 - 3392 = ☐ → E

3324 - 709 = ☐ → W

2980 - 1764 = ☐ → C

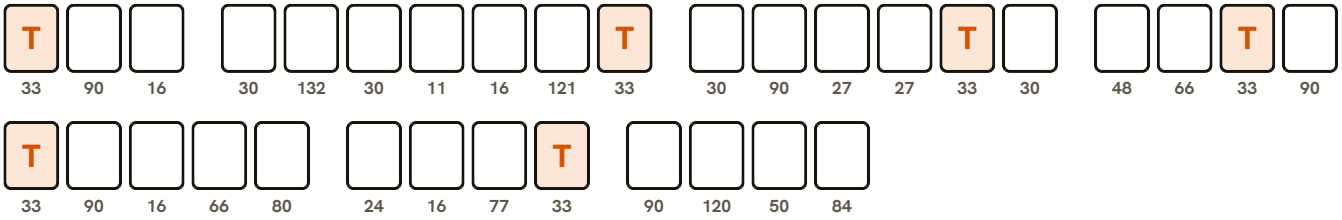
11366 - 4005 = ☐ → A

Scratch space:

CLUE 2 Multiplication facts (1-12)

Coach Alex multiplied the number of basketball racks by the balls on each frame to calculate inventory.

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



11 × 3 = ☐ → T	8 × 10 = ☐ → R	6 × 4 = ☐ → L
12 × 7 = ☐ → D	6 × 11 = ☐ → I	10 × 5 = ☐ → N
11 × 11 = ☐ → C	12 × 4 = ☐ → W	11 × 7 = ☐ → F
11 × 12 = ☐ → U	1 × 11 = ☐ → P	10 × 3 = ☐ → S
10 × 12 = ☐ → A	9 × 3 = ☐ → O	8 × 2 = ☐ → E
10 × 9 = ☐ → H		

Scratch space:

CLUE 3 Addition

The stat keeper added up the total rebounds from both halves of the championship tournament.

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



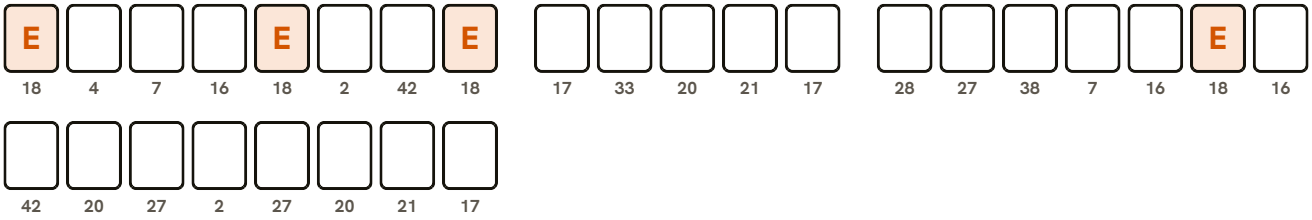
1841 + 800 = ☐ → T	5835 + 4063 = ☐ → E	5463 + 3276 = ☐ → G
2315 + 2317 = ☐ → O	947 + 1203 = ☐ → I	3856 + 4852 = ☐ → L
2150 + 1624 = ☐ → P	4282 + 4550 = ☐ → H	1744 + 3749 = ☐ → N
2543 + 2386 = ☐ → W	1982 + 1171 = ☐ → V	3408 + 5986 = ☐ → D
2626 + 2216 = ☐ → B	2683 + 4443 = ☐ → S	3081 + 6409 = ☐ → R
3628 + 4784 = ☐ → Y	1632 + 1628 = ☐ → A	

Scratch space:

CLUE 4 Percentages

The arena manager analyzed the shooting percentage statistics displayed on the jumbotron screen.

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



75% of 24 = ☐ → E

25% of 84 = ☐ → W

5% of 760 = ☐ → A

5% of 840 = ☐ → C

5% of 400 = ☐ → O

5% of 340 = ☐ → S

10% of 330 = ☐ → H

50% of 56 = ☐ → B

40% of 10 = ☐ → V

25% of 28 = ☐ → I

50% of 32 = ☐ → D

10% of 270 = ☐ → R

40% of 5 = ☐ → N

Scratch space:

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

> The referee divided the total practice drills evenly among all the players on the court.

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:

60 ÷ 10 = ☐ | 4 ÷ 4 = ☐ | 40 ÷ 4 = ☐ | 24 ÷ 6 = ☐ | 27 ÷ 9 = ☐

96 ÷ 12 = ☐ | 36 ÷ 3 = ☐ | 22 ÷ 2 = ☐ | 77 ÷ 11 = ☐ | 20 ÷ 4 = ☐

20 ÷ 10 = ☐

Step 2 - cross out the sentence with each answer:

1. The villain used a power dunk to leap over the gate, then lit up the hall with glow sneakers.
2. The villain used a fast break to dash down the court, then lit up the hall with glow sneakers.
3. The villain used a power dunk to leap over the gate, then distracted staff with a laser whistle.
4. The villain used a spin move to slip around guards, then vaulted high using a bounce band.
5. The villain executed a sky hook to dodge past security, then lit up the hall with glow sneakers.
6. The villain used a power dunk to leap over the gate, then muffled sound with a noise headband.
7. The villain used a fast break to dash down the court, then vaulted high using a bounce band.
8. The villain executed a sky hook to dodge past security, then vaulted high using a bounce band.
9. The villain used a spin move to slip around guards, then muffled sound with a noise headband.
10. The villain used an ankle breaker to confuse the watchman, then muffled sound with a noise headband.
11. The villain executed a sky hook to dodge past security, then muffled sound with a noise headband.
12. The villain used a power dunk to leap over the gate, then left marks using sticky gloves.

TEACHER / PARENT

Answer Key

The Championship Trophy Caper

Culprit: Damian Lillard

Spin Move · Noise Headband · Left Handed Shooter · Braided Cornrows · Bright Lights

Trail: Start 21 → Clue 1 18 → Clue 2 14 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Subtraction): "THE THIEF DOES NOT WEAR STICKY GLOVES"

10200 - 2190 = 8010 (T) · 3382 - 668 = 2714 (H) · 2428 - 643 = 1785 (Y) · 6878 - 2323 = 4555 (K) · 10921 - 3065 = 7856 (O) · 6323 - 3443 = 2880 (L) · 6270 - 1103 = 5167 (S) · 6931 - 331 = 6600 (G) · 7402 - 4396 = 3006 (N) · 9894 - 2066 = 7828 (I) · 10629 - 3874 = 6755 (V) · 9829 - 4409 = 5420 (D) · 5784 - 799 = 4985 (R) · 3322 - 1819 = 1503 (F) · 10095 - 3392 = 6703 (E) · 3324 - 709 = 2615 (W) · 2980 - 1764 = 1216 (C) · 11366 - 4005 = 7361 (A)

Clue 2 (Multiplication facts (1-12)): "THE SUSPECT SHOOTS WITH THEIR LEFT HAND"

11 × 3 = 33 (T) · 8 × 10 = 80 (R) · 6 × 4 = 24 (L) · 12 × 7 = 84 (D) · 6 × 11 = 66 (I) · 10 × 5 = 50 (N) · 11 × 11 = 121 (C) · 12 × 4 = 48 (W) · 11 × 7 = 77 (F) · 11 × 12 = 132 (U) · 1 × 11 = 11 (P) · 10 × 3 = 30 (S) · 10 × 12 = 120 (A) · 9 × 3 = 27 (O) · 8 × 2 = 16 (E) · 10 × 9 = 90 (H)

Clue 3 (Addition): "THE VILLAIN WAS STOPPED BY BRIGHT LIGHTS"

1841 + 800 = 2641 (T) · 5835 + 4063 = 9898 (E) · 5463 + 3276 = 8739 (G) · 2315 + 2317 = 4632 (O) · 947 + 1203 = 2150 (I) · 3856 + 4852 = 8708 (L) · 2150 + 1624 = 3774 (P) · 4282 + 4550 = 8832 (H) · 1744 + 3749 = 5493 (N) · 2543 + 2386 = 4929 (W) · 1982 + 1171 = 3153 (V) · 3408 + 5986 = 9394 (D) · 2626 + 2216 = 4842 (B) · 2683 + 4443 = 7126 (S) · 3081 + 6409 = 9490 (R) · 3628 + 4784 = 8412 (Y) · 1632 + 1628 = 3260 (A)

Clue 4 (Percentages): "EVIDENCE SHOWS BRAIDED CORNROWS"

75% of 24 = 18 (E) · 25% of 84 = 21 (W) · 5% of 760 = 38 (A) · 5% of 840 = 42 (C) · 5% of 400 = 20 (O) · 5% of 340 = 17 (S) · 10% of 330 = 33 (H) · 50% of 56 = 28 (B) · 40% of 10 = 4 (V) · 25% of 28 = 7 (I) · 50% of 32 = 16 (D) · 10% of 270 = 27 (R) · 40% of 5 = 2 (N)

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

60 ÷ 10 = 6 · 4 ÷ 4 = 1 · 40 ÷ 4 = 10 · 24 ÷ 6 = 4 · 27 ÷ 9 = 3 · 96 ÷ 12 = 8 · 36 ÷ 3 = 12 · 22 ÷ 2 = 11 · 77 ÷ 11 = 7 · 20 ÷ 4 = 5 · 20 ÷ 10 = 2