The Missing Championship Trophy

Grade 5 math · Rounding, Skip counting, Word problems, Multi-step word problems, Missing addends · Reading level grades 5-6

Detective: _____ **Date:** _____

The Golden Basketball Trophy vanished from the locker room right before the championship game. Examine the clues to catch the suspect.

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

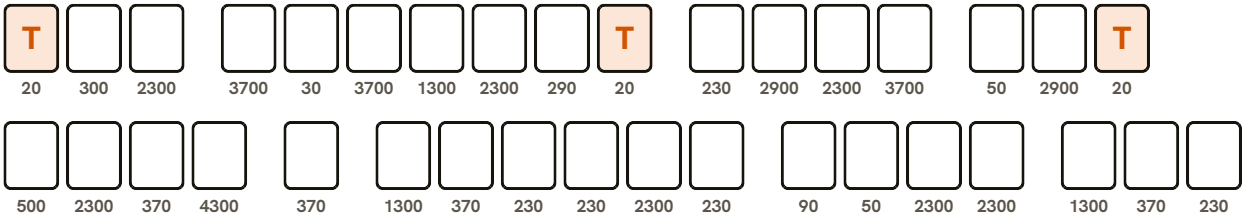
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	SIGNATURE MOVE	FAVORITE GEAR	SHOOTING HAND	HEADBAND COLOR	DISTRACTION
Anthony Edwards	No Look Pass	Grip Socks	Right Handed	Neon Red Headband	Squeaky Shoes
Nikola Jokic	Sky Hook	High Top Sneaker	Right Handed	Cobalt Blue Headband	Squeaky Shoes
Kawhi Leonard	No Look Pass	Compression Sleeve	Left Handed	Cobalt Blue Headband	Squeaky Shoes
Shai Gilgeous	No Look Pass	Grip Socks	Left Handed	Bright Gold Headband	Whistle Sound
Jimmy Butler	Crossover	High Top Sneaker	Right Handed	Cobalt Blue Headband	Whistle Sound
Kevin Durant	Fadeaway	Padded Knee Pad	Left Handed	Bright Gold Headband	Crowd Cheering
Anthony Davis	No Look Pass	High Top Sneaker	Right Handed	Cobalt Blue Headband	Squeaky Shoes
Trae Young	No Look Pass	Padded Knee Pad	Right Handed	Bright Gold Headband	Crowd Cheering
Paul George	Eurostep	Compression Sleeve	Right Handed	Bright Gold Headband	Squeaky Shoes
Steph Curry	Fadeaway	High Top Sneaker	Right Handed	Cobalt Blue Headband	Crowd Cheering
Zion Williamson	Fadeaway	Padded Knee Pad	Left Handed	Neon Red Headband	Squeaky Shoes
Donovan Mitchell	Eurostep	Wristband	Left Handed	Bright Gold Headband	Whistle Sound
Devin Booker	Sky Hook	Wristband	Right Handed	Bright Gold Headband	Whistle Sound
Joel Embiid	Fadeaway	Wristband	Right Handed	Cobalt Blue Headband	Squeaky Shoes
Bam Adebayo	Eurostep	High Top Sneaker	Left Handed	Cobalt Blue Headband	Squeaky Shoes
DeAron Fox	Fadeaway	Padded Knee Pad	Left Handed	Neon Red Headband	Whistle Sound
Giannis Antetokounmpo	Eurostep	Padded Knee Pad	Right Handed	Cobalt Blue Headband	Squeaky Shoes
Jayson Tatum	Fadeaway	Grip Socks	Right Handed	Neon Red Headband	Squeaky Shoes
Domantas Sabonis	Fadeaway	High Top Sneaker	Left Handed	Cobalt Blue Headband	Squeaky Shoes
Damian Lillard	Sky Hook	Wristband	Right Handed	Cobalt Blue Headband	Squeaky Shoes
Kyrie Irving	Sky Hook	Padded Knee Pad	Left Handed	Neon Red Headband	Crowd Cheering

CLUE 1 Rounding

> The arena digital scoreboard rounds all fan attendance counts to the nearest hundred to decode this detail.

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



Round 21 to the nearest ten ☐ → **T**

Round 263 to the nearest hundred ☐ → **H**

Round 230 to the nearest ten ☐ → **D**

Round 369 to the nearest ten ☐ → **A**

Round 2,293 to the nearest hundred ☐ → **E**

Round 49 to the nearest ten ☐ → **N**

Round 87 to the nearest ten ☐ → **K**

Round 484 to the nearest hundred ☐ → **W**

Round 290 to the nearest ten ☐ → **C**

Round 2,916 to the nearest hundred ☐ → **O**

Round 1,299 to the nearest hundred ☐ → **P**

Round 3,713 to the nearest hundred ☐ → **S**

Round 4,283 to the nearest hundred ☐ → **R**

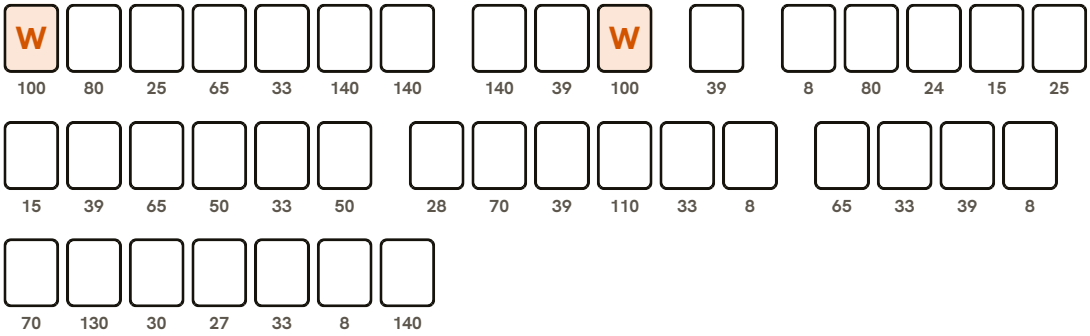
Round 32 to the nearest ten ☐ → **U**

Scratch space:

CLUE 2 Skip counting

The head coach skip counted drill cones down the court to unlock the next piece of evidence.

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



Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, ___, 110, 120 ☐ → **W**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, ___, 90, 100 ☐ → **I**

Skip-count by 2s. Fill the blank: 2, 4, 6, ___, 10, 12 ☐ → **R**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, ___, 35, 40 ☐ → **C**

Skip-count by 5s. Fill the blank: 5, 10, ___, 20, 25 ☐ → **H**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, ___, 30, 35 ☐ → **T**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, ___, 70, 75 ☐ → **N**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, ___, 30, 33 ☐ → **K**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, ___, 75, 80 ☐ → **L**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, ___, 42, 45 ☐ → **A**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, ___, 27, 30 ☐ → **G**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, ___, 120, 130 ☐ → **Y**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, ___, 60, 70 ☐ → **D**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, ___, 36, 39 ☐ → **E**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, ___, 140, 150 ☐ → **O**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, ___, 30, 32 ☐ → **P**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, ___, 150, 160 ☐ → **S**

Scratch space:

CLUE 3 Word problems

The stat keeper solved a word problem about team rebounds to uncover another secret.

Solve each problem, then write its letter in the boxes to fill in the missing word.

Someone scared the villain off with

S							S	H	O		S
103	35	6	98	47	69	88	103			98	103

.

Equipment manager found 22 clipboard pens yesterday and 81 more today. How many clipboard pens in all?

Answer: ☐ → S

There were 49 practice jerseys. 2 were used up. How many practice jerseys are left?

Answer: ☐ → A

Equipment manager lined up 7 rows of 5 towels. How many towels in all?

Answer: ☐ → Q

There were 130 clipboard pens. 32 were used up. How many clipboard pens are left?

Answer: ☐ → E

There were 107 towels. 38 were used up. How many towels are left?

Answer: ☐ → K

There were 31 practice jerseys. 25 were used up. How many practice jerseys are left?

Answer: ☐ → U

Equipment manager found 61 clipboard pens yesterday and 27 more today. How many clipboard pens in all?

Answer: ☐ → Y

Scratch space:

CLUE 4 Multi-step word problems

The team captain worked through a multi step problem about tournament ticket sales for a crucial hint.

Solve each problem, then write its letter in the boxes to fill in the missing word.

A strand of

C									E	H	E		D			N	D
41	65	88	7	20	22	88	20	79				7		88	7		

hair turned up at the scene.

There were 324 water bottles in all. 37 water bottles were set aside. The rest were shared equally among 7 Hoop City All-Stars. How many water bottles did each get?

Answer: ☐ → **C**

Equipment manager filled 2 boxes with 8 water bottles each, then found 63 more water bottles. How many water bottles are there in all?

Answer: ☐ → **U**

Equipment manager collected 46 basketballs in the morning and 20 basketballs in the afternoon, then split them equally among 3 Hoop City All-Stars. How many basketballs did each get?

Answer: ☐ → **T**

There were 178 practice jerseys in all. 2 Hoop City All-Stars used 39 practice jerseys each. The other 5 Hoop City All-Stars shared the rest equally. How many practice jerseys did each of the other Hoop City All-Stars get?

Answer: ☐ → **L**

There were 159 practice jerseys in all. 1 Hoop City All-Stars used 29 practice jerseys each. The other 2 Hoop City All-Stars shared the rest equally. How many practice jerseys did each of the other Hoop City All-Stars get?

Answer: ☐ → **O**

Equipment manager filled 6 boxes with 6 practice jerseys each, then found 52 more practice jerseys. How many practice jerseys are there in all?

Answer: ☐ → **B**

Equipment manager collected 11 towels in the morning and 17 towels in the afternoon, then split them equally among 4 Hoop City All-Stars. How many towels did each get?

Answer: ☐ → **A**

Scratch space:

CLUE 5 Missing addends - the last clue

The referee calculated the missing points from the broken scoreboard to complete 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:

7 + ___ = 8 ☐	4 + ___ = 12 ☐	20 + ___ = 22 ☐	33 + ___ = 36 ☐
39 + ___ = 50 ☐	8 + ___ = 18 ☐	34 + ___ = 39 ☐	6 + ___ = 13 ☐
4 + ___ = 10 ☐	2 + ___ = 6 ☐	3 + ___ = 15 ☐	

Step 2 - cross out the sentence with each answer:

1. The villain sank a fadeaway jumper, then wiped sweat with a wristband.
2. The villain dished out a sky hook, then wiped sweat with a wristband.
3. The villain faked everyone with a no look pass, then strapped on a padded knee pad.
4. The villain shook defenders with a crossover, then laced up high top sneakers.
5. The villain drove in with a eurostep, then adjusted a compression sleeve.
6. The villain sank a fadeaway jumper, then laced up high top sneakers.
7. The villain dished out a sky hook, then strapped on a padded knee pad.
8. The villain faked everyone with a no look pass, then laced up high top sneakers.
9. The villain dished out a sky hook, then laced up high top sneakers.
10. The villain shook defenders with a crossover, then adjusted a compression sleeve.
11. The villain faked everyone with a no look pass, then pulled up grip socks.
12. The villain shook defenders with a crossover, then pulled up grip socks.

TEACHER / PARENT

Answer Key

The Missing Championship Trophy

Culprit: Nikola Jokic

Sky Hook · High Top Sneaker · Right Handed · Cobalt Blue Headband · Squeaky Shoes

Trail: Start 21 → Clue 1 15 → Clue 2 10 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE SUSPECT DOES NOT WEAR A PADDED KNEE PAD"

Round 21 to the nearest ten = 20 (T) · Round 263 to the nearest hundred = 300 (H) · Round 230 to the nearest ten = 230 (D) · Round 369 to the nearest ten = 370 (A) · Round 2,293 to the nearest hundred = 2300 (E) · Round 49 to the nearest ten = 50 (N) · Round 87 to the nearest ten = 90 (K) · Round 484 to the nearest hundred = 500 (W) · Round 290 to the nearest ten = 290 (C) · Round 2,916 to the nearest hundred = 2900 (O) · Round 1,299 to the nearest hundred = 1300 (P) · Round 3,713 to the nearest hundred = 3700 (S) · Round 4,283 to the nearest hundred = 4300 (R) · Round 32 to the nearest ten = 30 (U)

Clue 2 (Skip counting): "WITNESS SAW A RIGHT HANDED PLAYER NEAR LOCKERS"

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, ___, 110, 120 = 100 (W) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, ___, 90, 100 = 80 (I) · Skip-count by 2s. Fill the blank: 2, 4, 6, ___, 10, 12 = 8 (R) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, ___, 35, 40 = 30 (C) · Skip-count by 5s. Fill the blank: 5, 10, ___, 20, 25 = 15 (H) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, ___, 30, 35 = 25 (T) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, ___, 70, 75 = 65 (N) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, ___, 30, 33 = 27 (K) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, ___, 75, 80 = 70 (L) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, ___, 42, 45 = 39 (A) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, ___, 27, 30 = 24 (G) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, ___, 120, 130 = 110 (Y) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, ___, 60, 70 = 50 (D) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, ___, 36, 39 = 33 (E) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, ___, 140, 150 = 130 (O) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, ___, 30, 32 = 28 (P) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, ___, 150, 160 = 140 (S)

Clue 3 (Word problems): "SQUEAKY SHOES"

Equipment manager found 22 clipboard pens yesterday and 81 more today. How many clipboard pens in all? = 103 (S) · There were 49 practice jerseys. 2 were used up. How many practice jerseys are left? = 47 (A) · Equipment manager lined up 7 rows of 5 towels. How many towels in all? = 35 (Q) · There were 130 clipboard pens. 32 were used up. How many clipboard pens are left? = 98 (E) · There were 107 towels. 38 were used up. How many towels are left? = 69 (K) · There were 31 practice jerseys. 25 were used up. How many practice jerseys are left? = 6 (U) · Equipment manager found 61 clipboard pens yesterday and 27 more today. How many clipboard pens in all? = 88 (Y)

Clue 4 (Multi-step word problems): "COBALT BLUE HEADBAND"

There were 324 water bottles in all. 37 water bottles were set aside. The rest were shared equally among 7 Hoop City All-Stars. How many water bottles did each get? = 41 (C) · Equipment manager filled 2 boxes with 8 water bottles each, then found 63 more water bottles. How many water bottles are there in all? = 79 (U) · Equipment manager collected 46 basketballs in the morning and 20 basketballs in the afternoon, then split them equally among 3 Hoop City All-Stars. How many basketballs did each get? = 22 (T) · There were 178 practice jerseys in all. 2 Hoop City All-Stars used 39 practice jerseys each. The other 5 Hoop City All-Stars shared the rest equally. How many practice jerseys did each of the other Hoop City All-Stars get? = 20 (L) · There were 159 practice jerseys in all. 1 Hoop City All-Stars used 29 practice jerseys each. The other 2 Hoop City All-Stars shared the rest equally. How many practice jerseys did each of the other Hoop City All-Stars get? = 65 (O) · Equipment manager filled 6 boxes with 6 practice jerseys each, then found 52 more practice jerseys. How many practice jerseys are there in all? = 88 (B) · Equipment manager collected 11 towels in the morning and 17 towels in the afternoon, then split them equally among 4 Hoop City All-Stars. How many towels did each get? = 7 (A)

Clue 5 (Missing addends): surviving statement is box 9 → Nikola Jokic

7 + ___ = 8 = 1 · 4 + ___ = 12 = 8 · 20 + ___ = 22 = 2 · 33 + ___ = 36 = 3 · 39 + ___ = 50 = 11 · 8 + ___ = 18 = 10 · 34 + ___ = 39 = 5 · 6 + ___ = 13 = 7 · 4 + ___ = 10 = 6 · 2 + ___ = 6 = 4 · 3 + ___ = 15 = 12