The Missing Championship Trophy

Grade 5 math · Place value, Skip counting, Rounding, Fractions of a number, Division · Reading level grades 3-4

Detective: _____ **Date:** _____

The championship trophy vanished right before the final buzzer! Someone snuck into the arena vault. Solve the math clues to figure out who took the trophy!

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

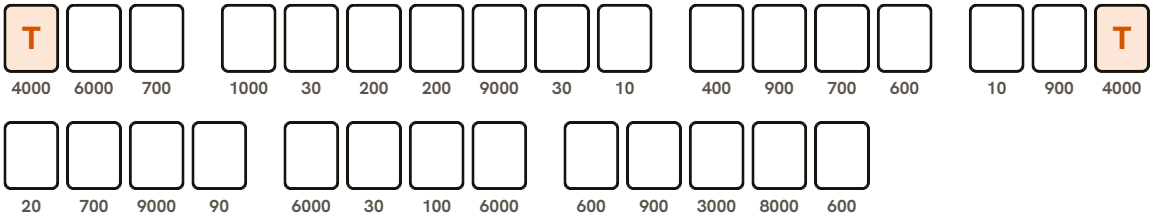
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	SIGNATURE MOVE	LUCKY GEAR	DOMINANT HAND	HAIRSTYLE	DISTRACTION
Kawhi Leonard	Halfcourt Buzzer Beater	Grip Spray	Right Handed	High Top Fade	Loud Whistle
Joel Embiid	Fast Break Sprint	Neon Headband	Left Handed	Buzz Cut	Camera Flash
Jalen Brunson	Fast Break Sprint	Neon Headband	Right Handed	Braided Cornrows	Squeaky Shoes
Kyrie Irving	Sky Hook Dunk	Grip Spray	Right Handed	Buzz Cut	Loud Whistle
Donovan Mitchell	Crossover Pass	Neon Headband	Right Handed	Buzz Cut	Loud Whistle
Giannis Antetokounmpo	Crossover Pass	Grip Spray	Left Handed	Buzz Cut	Loud Whistle
Jimmy Butler	Sky Hook Dunk	High Socks	Right Handed	Buzz Cut	Loud Whistle
Damian Lillard	Halfcourt Buzzer Beater	High Socks	Right Handed	Braided Cornrows	Squeaky Shoes
Luka Doncic	Three Point Swish	Neon Headband	Right Handed	Braided Cornrows	Camera Flash
Tyrese Haliburton	Crossover Pass	Gold Sneakers	Left Handed	Braided Cornrows	Camera Flash
Bam Adebayo	Three Point Swish	Neon Headband	Left Handed	High Top Fade	Camera Flash
Jayson Tatum	Fast Break Sprint	Striped Wristband	Left Handed	Braided Cornrows	Squeaky Shoes
Devin Booker	Crossover Pass	Neon Headband	Left Handed	Buzz Cut	Camera Flash
DeAaron Fox	Fast Break Sprint	Striped Wristband	Right Handed	Buzz Cut	Loud Whistle
Anthony Davis	Sky Hook Dunk	Gold Sneakers	Right Handed	Braided Cornrows	Squeaky Shoes
Anthony Edwards	Three Point Swish	High Socks	Left Handed	Braided Cornrows	Squeaky Shoes
Paul George	Halfcourt Buzzer Beater	Neon Headband	Right Handed	Buzz Cut	Loud Whistle
Zion Williamson	Halfcourt Buzzer Beater	Grip Spray	Left Handed	Buzz Cut	Camera Flash
Ja Morant	Crossover Pass	Gold Sneakers	Right Handed	Buzz Cut	Squeaky Shoes
LeBron James	Halfcourt Buzzer Beater	Neon Headband	Left Handed	High Top Fade	Loud Whistle
Nikola Jokic	Three Point Swish	High Socks	Left Handed	High Top Fade	Camera Flash

CLUE 1 Place value

Coach Maya checks the ticket counter digits to see how many fans entered the arena.

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



What is the value of the 4 in 64,188? ☐ → T

What is the value of the 1 in 291,976? ☐ → V

What is the value of the 4 in 12,431? ☐ → D

What is the value of the 9 in 81,693? ☐ → R

What is the value of the 8 in 78,275? ☐ → K

What is the value of the 2 in 619,929? ☐ → W

What is the value of the 7 in 46,755? ☐ → E

What is the value of the 9 in 29,143? ☐ → A

What is the value of the 3 in 73,165? ☐ → C

What is the value of the 3 in 28,638? ☐ → I

What is the value of the 1 in 45,612? ☐ → N

What is the value of the 6 in 76,882? ☐ → H

What is the value of the 6 in 719,611? ☐ → S

What is the value of the 1 in 490,190? ☐ → G

What is the value of the 2 in 56,216? ☐ → L

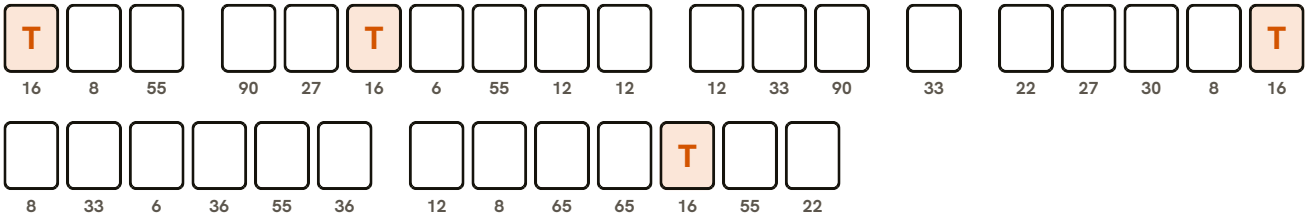
What is the value of the 9 in 222,982? ☐ → O

Scratch space:

CLUE 2 Skip counting

The ball boy skip counts rows of bleachers while searching for clues near the bench.

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



Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, ___, 18, 20 ☐ → T

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, ___, 39, 42 ☐ → D

Skip-count by 10s. Fill the blank: 10, 20, ___, 40, 50 ☐ → G

Skip-count by 2s. Fill the blank: 2, 4, ___, 8, 10 ☐ → N

Skip-count by 3s. Fill the blank: 3, 6, 9, ___, 15, 18 ☐ → S

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

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, ___, 100, 110 ☐ → W

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

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

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

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

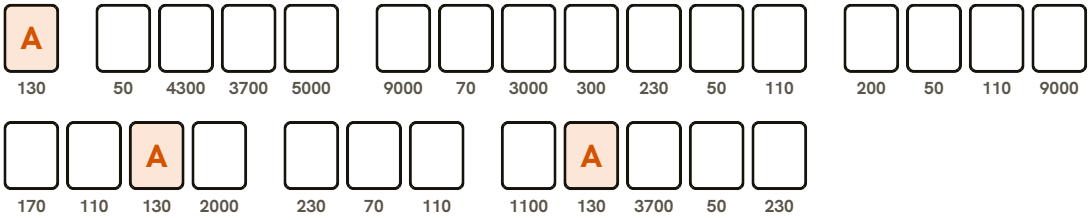
Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, ___, 60, 65 ☐ → E

Scratch space:

CLUE 3 Rounding

> The giant scoreboard display only shows rounded stat totals for the players tonight.

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



Round 129 to the nearest ten ☐ → A

Round 4,883 to the nearest thousand ☐ → D

Round 1,767 to the nearest thousand ☐ → R

Round 191 to the nearest hundred ☐ → B

Round 71 to the nearest ten ☐ → H

Round 113 to the nearest ten ☐ → E

Round 3,412 to the nearest thousand ☐ → I

Round 49 to the nearest ten ☐ → L

Round 8,653 to the nearest thousand ☐ → W

Round 226 to the nearest ten ☐ → T

Round 1,090 to the nearest hundred ☐ → V

Round 3,741 to the nearest hundred ☐ → U

Round 173 to the nearest ten ☐ → N

Round 4,309 to the nearest hundred ☐ → O

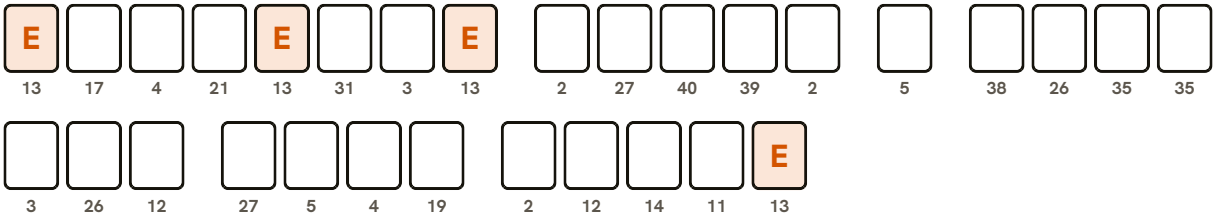
Round 273 to the nearest hundred ☐ → S

Scratch space:

CLUE 4 Fractions of a number

The team trainer calculates what fraction of the practice basketballs were stolen.

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



1/5 of 65 = ☐ → E	4/6 of 39 = ☐ → U	1/3 of 114 = ☐ → B
1/3 of 105 = ☐ → Z	1/5 of 20 = ☐ → I	3/6 of 80 = ☐ → O
2/8 of 156 = ☐ → W	2/6 of 15 = ☐ → A	2/10 of 70 = ☐ → Y
1/10 of 170 = ☐ → V	1/2 of 24 = ☐ → T	3/4 of 36 = ☐ → H
1/6 of 12 = ☐ → S	2/8 of 84 = ☐ → D	1/5 of 15 = ☐ → C
2/8 of 76 = ☐ → R	4/8 of 22 = ☐ → L	2/4 of 62 = ☐ → N

Scratch space:

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

> The referee divides the warm up drills equally among all the players on 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:

14 ÷ 2 = ☐	25 ÷ 5 = ☐	72 ÷ 8 = ☐	24 ÷ 6 = ☐	11 ÷ 11 = ☐
84 ÷ 7 = ☐	10 ÷ 1 = ☐	33 ÷ 3 = ☐	9 ÷ 3 = ☐	88 ÷ 11 = ☐
8 ÷ 4 = ☐				

Step 2 - cross out the sentence with each answer:

1. The villain sinks a three point swish from downtown, then applies extra sticky grip spray.
2. The villain drives past the defense with a crossover pass, then pulls up their tall high socks.
3. The villain heaves a halfcourt buzzer beater shot, then applies extra sticky grip spray.
4. The villain drives past the defense with a crossover pass, then twirls their striped wristband.
5. The villain leaps high for a sky hook dunk, then applies extra sticky grip spray.
6. The villain drives past the defense with a crossover pass, then wipes sweat from their neon headband.
7. The villain heaves a halfcourt buzzer beater shot, then wipes sweat from their neon headband.
8. The villain leaps high for a sky hook dunk, then adjusts their bright gold sneakers.
9. The villain dashes down court on a fast break sprint, then twirls their striped wristband.
10. The villain sinks a three point swish from downtown, then twirls their striped wristband.
11. The villain heaves a halfcourt buzzer beater shot, then adjusts their bright gold sneakers.
12. The villain heaves a halfcourt buzzer beater shot, then twirls their striped wristband.

TEACHER / PARENT

Answer Key

The Missing Championship Trophy

Culprit: Donovan Mitchell

Crossover Pass · Neon Headband · Right Handed · Buzz Cut · Loud Whistle

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

Clue 1 (Place value): "THE VILLAIN DOES NOT WEAR HIGH SOCKS"

What is the value of the 4 in 64,188? = 4000 (T) · What is the value of the 1 in 291,976? = 1000 (V) · What is the value of the 4 in 12,431? = 400 (D) · What is the value of the 9 in 81,693? = 90 (R) · What is the value of the 8 in 78,275? = 8000 (K) · What is the value of the 2 in 619,929? = 20 (W) · What is the value of the 7 in 46,755? = 700 (E) · What is the value of the 9 in 29,143? = 9000 (A) · What is the value of the 3 in 73,165? = 3000 (C) · What is the value of the 3 in 28,638? = 30 (I) · What is the value of the 1 in 45,612? = 10 (N) · What is the value of the 6 in 76,882? = 6000 (H) · What is the value of the 6 in 719,611? = 600 (S) · What is the value of the 1 in 490,190? = 100 (G) · What is the value of the 2 in 56,216? = 200 (L) · What is the value of the 9 in 222,982? = 900 (O)

Clue 2 (Skip counting): "THE WITNESS SAW A RIGHT HANDED SHOOTER"

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

Clue 3 (Rounding): "A LOUD WHISTLE BLEW NEAR THE VAULT"

Round 129 to the nearest ten = 130 (A) · Round 4,883 to the nearest thousand = 5000 (D) · Round 1,767 to the nearest thousand = 2000 (R) · Round 191 to the nearest hundred = 200 (B) · Round 71 to the nearest ten = 70 (H) · Round 113 to the nearest ten = 110 (E) · Round 3,412 to the nearest thousand = 3000 (I) · Round 49 to the nearest ten = 50 (L) · Round 8,653 to the nearest thousand = 9000 (W) · Round 226 to the nearest ten = 230 (T) · Round 1,090 to the nearest hundred = 1100 (V) · Round 3,741 to the nearest hundred = 3700 (U) · Round 173 to the nearest ten = 170 (N) · Round 4,309 to the nearest hundred = 4300 (O) · Round 273 to the nearest hundred = 300 (S)

Clue 4 (Fractions of a number): "EVIDENCE SHOWS A BUZZ CUT HAIR STYLE"

1/5 of 65 = 13 (E) · 4/6 of 39 = 26 (U) · 1/3 of 114 = 38 (B) · 1/3 of 105 = 35 (Z) · 1/5 of 20 = 4 (I) · 3/6 of 80 = 40 (O) · 2/8 of 156 = 39 (W) · 2/6 of 15 = 5 (A) · 2/10 of 70 = 14 (Y) · 1/10 of 170 = 17 (V) · 1/2 of 24 = 12 (T) · 3/4 of 36 = 27 (H) · 1/6 of 12 = 2 (S) · 2/8 of 84 = 21 (D) · 1/5 of 15 = 3 (C) · 2/8 of 76 = 19 (R) · 4/8 of 22 = 11 (L) · 2/4 of 62 = 31 (N)

Clue 5 (Division facts (1-12)): surviving statement is box 6 → Donovan Mitchell

14 ÷ 2 = 7 · 25 ÷ 5 = 5 · 72 ÷ 8 = 9 · 24 ÷ 6 = 4 · 11 ÷ 11 = 1 · 84 ÷ 7 = 12 · 10 ÷ 1 = 10 · 33 ÷ 3 = 11 · 9 ÷ 3 = 3 · 88 ÷ 11 = 8 · 8 ÷ 4 = 2