The Mystery of the Missing Championship Trophy

Grade 1 math · Fractions of a number, Addition, Subtraction, Skip counting · Reading level grades 1-2

Detective: _____ **Date:** _____

Someone took the shiny championship trophy right before the final basketball game! Detective Leo is on the case to find out which player did it.

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 Bandit is _____

Possible suspects

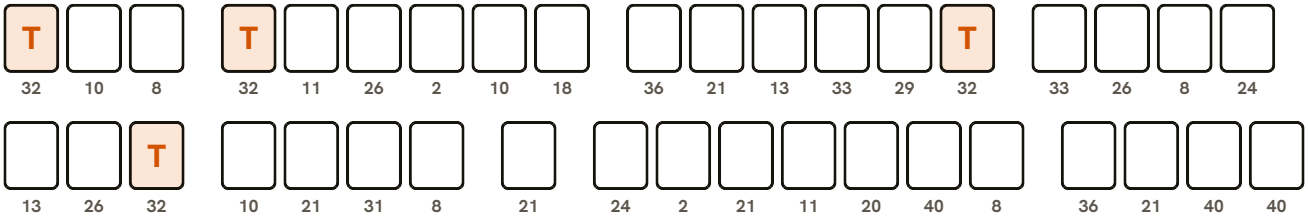
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	SIGNATURE SHOT	LUCKY GEAR	SHOOTING HAND	HEADBAND COLOR	BENCH SNACK
Paul George	Bank Shot	Wristband	Right Handed	Blue Headband	Pretzels
James Harden	Dunk Blast	Sparkle Ball	Left Handed	Red Headband	Ice Water
Klay Thompson	Spin Layup	Golden Whistle	Left Handed	Red Headband	Ice Water
Jayson Tatum	Dunk Blast	Sparkle Ball	Left Handed	Gold Headband	Pretzels
Jimmy Butler	Bank Shot	Neon Shoes	Left Handed	Red Headband	Orange Slices
Kevin Durant	Sky Hook	Neon Shoes	Left Handed	Red Headband	Orange Slices
Joel Embiid	Bank Shot	Wristband	Right Handed	Blue Headband	Orange Slices
Damian Lillard	Bank Shot	Neon Shoes	Left Handed	Blue Headband	Orange Slices
DeAaron Fox	Dunk Blast	High Socks	Left Handed	Blue Headband	Orange Slices
Chris Paul	Spin Layup	Wristband	Right Handed	Blue Headband	Pretzels
Devin Booker	Sky Hook	Golden Whistle	Left Handed	Red Headband	Orange Slices
Zion Williamson	Spin Layup	Wristband	Left Handed	Blue Headband	Ice Water
Kyrie Irving	Spin Layup	High Socks	Right Handed	Red Headband	Orange Slices
Anthony Davis	Dunk Blast	Sparkle Ball	Left Handed	Red Headband	Orange Slices
Donovan Mitchell	Halfcourt Swish	High Socks	Left Handed	Red Headband	Orange Slices
Giannis Antetokounmpo	Bank Shot	High Socks	Right Handed	Blue Headband	Ice Water
Luka Doncic	Halfcourt Swish	Wristband	Left Handed	Blue Headband	Pretzels
Trae Young	Spin Layup	Neon Shoes	Right Handed	Red Headband	Orange Slices
Bam Adebayo	Bank Shot	Golden Whistle	Left Handed	Gold Headband	Orange Slices
Ja Morant	Sky Hook	Neon Shoes	Right Handed	Gold Headband	Pretzels
Nikola Jokic	Dunk Blast	Wristband	Left Handed	Gold Headband	Orange Slices

CLUE 1 Fractions of a number

Coach Sam looks at half of the basketballs to find a small secret mark.

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



1/3 of 96 = ☐ → T

1/3 of 24 = ☐ → E

1/2 of 36 = ☐ → Y

4/8 of 66 = ☐ → D

2/6 of 87 = ☐ → I

2/10 of 55 = ☐ → R

2/10 of 10 = ☐ → P

8/10 of 45 = ☐ → B

2/8 of 96 = ☐ → S

2/4 of 52 = ☐ → O

8/10 of 50 = ☐ → L

7/8 of 24 = ☐ → A

2/6 of 30 = ☐ → H

4/8 of 26 = ☐ → N

3/6 of 62 = ☐ → V

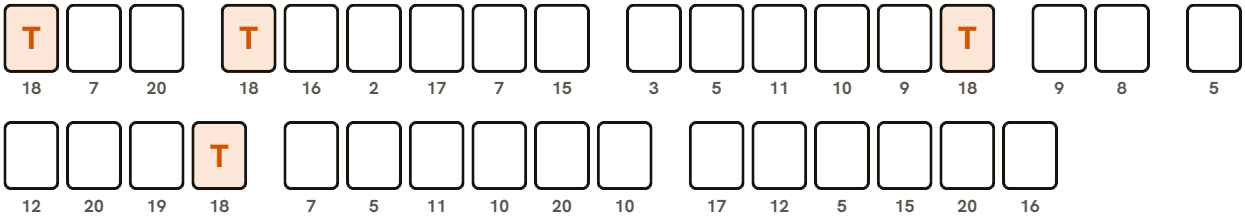
4/5 of 25 = ☐ → K

Scratch space:

CLUE 2 Addition

Detective Leo adds up all the gym tickets to open the locker room door.

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



8 + 10 = ☐ → T

1 + 1 = ☐ → O

6 + 9 = ☐ → Y

3 + 8 = ☐ → N

8 + 4 = ☐ → L

6 + 10 = ☐ → R

2 + 3 = ☐ → A

2 + 7 = ☐ → I

11 + 6 = ☐ → P

4 + 3 = ☐ → H

3 + 5 = ☐ → S

9 + 11 = ☐ → E

9 + 10 = ☐ → F

7 + 3 = ☐ → D

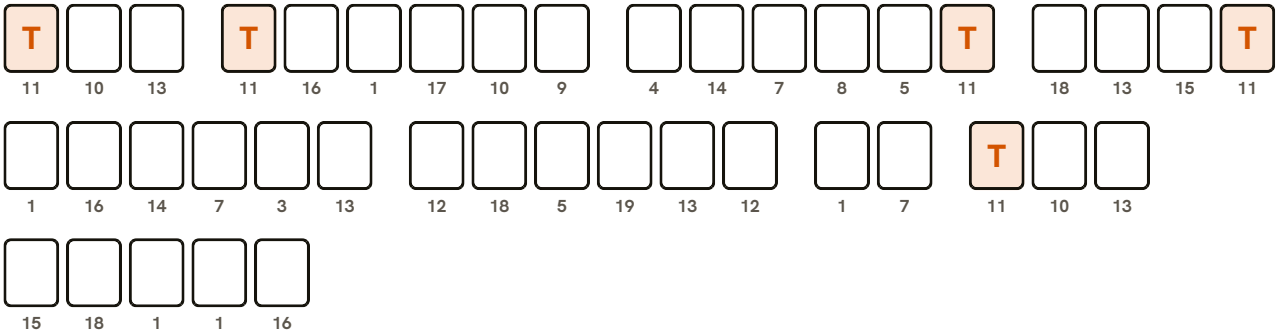
1 + 2 = ☐ → B

Scratch space:

CLUE 3 Subtraction

The mascot takes away the flat balls to reveal a hint written underneath.

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



14 - 3 = ☐ → T	11 - 6 = ☐ → I	14 - 6 = ☐ → D
19 - 7 = ☐ → S	11 - 7 = ☐ → B	20 - 1 = ☐ → C
14 - 5 = ☐ → Y	12 - 9 = ☐ → G	16 - 3 = ☐ → E
20 - 2 = ☐ → L	18 - 1 = ☐ → P	13 - 6 = ☐ → N
17 - 3 = ☐ → A	17 - 7 = ☐ → H	17 - 1 = ☐ → R
16 - 1 = ☐ → F		

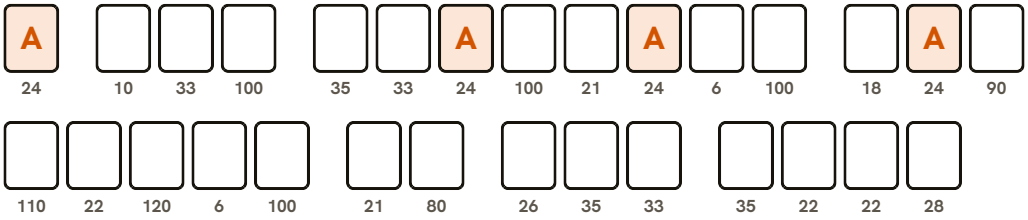
3 - 2 = ☐ → O

Scratch space:

CLUE 4 Skip counting

Coach Sam counts the sneaker boxes by twos to locate the missing key.

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, 16, 18, 20, 22, ___, 26, 28 ☐ → **A**

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

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

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, ___, 12, 14 ☐ → **R**

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

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

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, ___, 130, 140 ☐ → **U**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, ___, 28, 30 ☐ → **T**

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

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, ___, 110, 120 ☐ → **D**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, ___, 40, 45 ☐ → **H**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, ___, 24, 27 ☐ → **B**

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

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

Scratch space:

CLUE 5 Fractions of a number - the last clue

Detective Leo checks one third of the playbooks to uncover a hidden note.

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:

1/10 of 20 = ☐	4/10 of 10 = ☐	2/4 of 20 = ☐	1/5 of 40 = ☐
3/6 of 12 = ☐	2/6 of 15 = ☐	1/2 of 24 = ☐	1/2 of 14 = ☐
3/4 of 12 = ☐	6/10 of 5 = ☐	5/10 of 22 = ☐	

Step 2 - cross out the sentence with each answer:

1. The villain sinks a sky hook, then blew the golden whistle.
2. The villain sinks a sky hook, then laced up neon shoes.
3. The villain spun past defenders, then laced up neon shoes.
4. The villain swished from half court, then pulled up high socks.
5. The villain dunked the basketball, then bounced the sparkle ball.
6. The villain swished from half court, then bounced the sparkle ball.
7. The villain swished from half court, then blew the golden whistle.
8. The villain sinks a sky hook, then pulled up high socks.
9. The villain spun past defenders, then adjusted a wristband.
10. The villain banked in a shot, then laced up neon shoes.
11. The villain banked in a shot, then bounced the sparkle ball.
12. The villain sinks a sky hook, then bounced the sparkle ball.

TEACHER / PARENT

Answer Key

The Mystery of the Missing Championship Trophy

Culprit: Devin Booker

Sky Hook · Golden Whistle · Left Handed · Red Headband · Orange Slices

Trail: Start 21 → Clue 1 18 → Clue 2 11 → Clue 3 8 → Clue 4 4 → Clue 5 1

Clue 1 (Fractions of a number): "THE TROPHY BANDIT DOES NOT HAVE A SPARKLE BALL"

1/3 of 96 = 32 (T) · 1/3 of 24 = 8 (E) · 1/2 of 36 = 18 (Y) · 4/8 of 66 = 33 (D) · 2/6 of 87 = 29 (I) · 2/10 of 55 = 11 (R) · 2/10 of 10 = 2 (P) · 8/10 of 45 = 36 (B) · 2/8 of 96 = 24 (S) · 2/4 of 52 = 26 (O) · 8/10 of 50 = 40 (L) · 7/8 of 24 = 21 (A) · 2/6 of 30 = 10 (H) · 4/8 of 26 = 13 (N) · 3/6 of 62 = 31 (V) · 4/5 of 25 = 20 (K)

Clue 2 (Addition): "THE TROPHY BANDIT IS A LEFT HANDED PLAYER"

8 + 10 = 18 (T) · 1 + 1 = 2 (O) · 6 + 9 = 15 (Y) · 3 + 8 = 11 (N) · 8 + 4 = 12 (L) · 6 + 10 = 16 (R) · 2 + 3 = 5 (A) · 2 + 7 = 9 (I) · 11 + 6 = 17 (P) · 4 + 3 = 7 (H) · 3 + 5 = 8 (S) · 9 + 11 = 20 (E) · 9 + 10 = 19 (F) · 7 + 3 = 10 (D) · 1 + 2 = 3 (B)

Clue 3 (Subtraction): "THE TROPHY BANDIT LEFT ORANGE SLICES ON THE FLOOR"

14 - 3 = 11 (T) · 11 - 6 = 5 (I) · 14 - 6 = 8 (D) · 19 - 7 = 12 (S) · 11 - 7 = 4 (B) · 20 - 1 = 19 (C) · 14 - 5 = 9 (Y) · 12 - 9 = 3 (G) · 16 - 3 = 13 (E) · 20 - 2 = 18 (L) · 18 - 1 = 17 (P) · 13 - 6 = 7 (N) · 3 - 2 = 1 (O) · 17 - 3 = 14 (A) · 17 - 7 = 10 (H) · 17 - 1 = 16 (R) · 16 - 1 = 15 (F)

Clue 4 (Skip counting): "A RED HEADBAND WAS FOUND BY THE HOOP"

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

Clue 5 (Fractions of a number): surviving statement is box 1 → Devin Booker

1/10 of 20 = 2 · 4/10 of 10 = 4 · 2/4 of 20 = 10 · 1/5 of 40 = 8 · 3/6 of 12 = 6 · 2/6 of 15 = 5 · 1/2 of 24 = 12 · 1/2 of 14 = 7 · 3/4 of 12 = 9 · 6/10 of 5 = 3 · 5/10 of 22 = 11