The Great Championship Trophy Caper

Grade 5 math · Place value, Skip counting, Multiplication, Rounding, Division · Reading level grades 3-4

Detective: _____ **Date:** _____

The championship trophy vanished right before tipoff at the Apex Basketball Center. Detective, decode the court clues to catch the sneaky thief before the final buzzer sounds.

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.

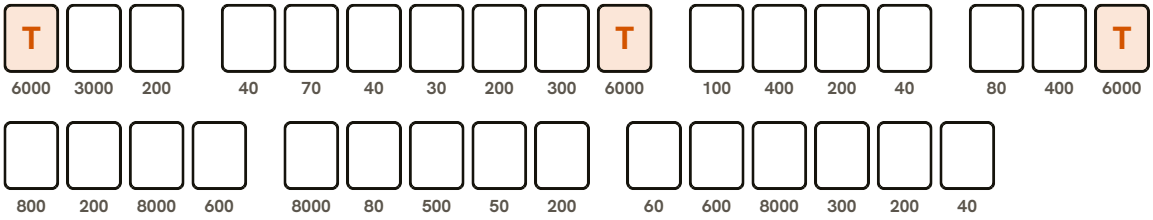
NAME	SIGNATURE MOVE	COURT GEAR	SHOOTING HAND	HEADBAND COLOR	DISTRACTION
Steph Curry	Fadeaway	Tinted Visor	Left Handed	Gold Headband	Squeaky Shoes
Zion Williamson	No Look Pass	Ankle Braces	Left Handed	Gold Headband	Confetti Blasts
DeAaron Fox	Fadeaway	Padded Sleeve	Left Handed	Gold Headband	Loud Whistles
Anthony Davis	Crossover	High Socks	Left Handed	Blue Headband	Loud Whistles
Nikola Jokic	No Look Pass	Ankle Braces	Left Handed	Gold Headband	Loud Whistles
Luka Doncic	Crossover	Tinted Visor	Left Handed	Blue Headband	Loud Whistles
Jalen Brunson	No Look Pass	Padded Sleeve	Left Handed	Gold Headband	Loud Whistles
Joel Embiid	Euro Step	Grip Gloves	Left Handed	Blue Headband	Confetti Blasts
Jimmy Butler	Sky Hook	High Socks	Right Handed	Blue Headband	Loud Whistles
Kevin Durant	Crossover	Tinted Visor	Left Handed	Red Headband	Loud Whistles
Kyrie Irving	No Look Pass	Ankle Braces	Right Handed	Blue Headband	Squeaky Shoes
Trae Young	No Look Pass	Padded Sleeve	Right Handed	Red Headband	Loud Whistles
Paul George	Sky Hook	Padded Sleeve	Left Handed	Gold Headband	Loud Whistles
Shai Gilgeous Alexander	Euro Step	Grip Gloves	Right Handed	Blue Headband	Squeaky Shoes
Ja Morant	Fadeaway	Grip Gloves	Right Handed	Blue Headband	Loud Whistles
Kawhi Leonard	Crossover	High Socks	Left Handed	Gold Headband	Loud Whistles
LeBron James	Crossover	Ankle Braces	Left Handed	Red Headband	Loud Whistles
Damian Lillard	Crossover	High Socks	Left Handed	Red Headband	Loud Whistles
Tyrese Haliburton	No Look Pass	Tinted Visor	Right Handed	Gold Headband	Loud Whistles
Devin Booker	No Look Pass	Padded Sleeve	Left Handed	Blue Headband	Confetti Blasts
Giannis Antetokounmpo	Sky Hook	Grip Gloves	Right Handed	Gold Headband	Confetti Blasts

make your own at mathcrackers.com

CLUE 1 Place value

The court display board is scrambling numbers based on place value. Fix the digit places to unlock the first clue.

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



What is the value of the 6 in 36,553? ☐ → T

What is the value of the 8 in 92,384? ☐ → N

What is the value of the 6 in 793,960? ☐ → B

What is the value of the 1 in 77,170? ☐ → D

What is the value of the 3 in 57,739? ☐ → P

What is the value of the 8 in 936,831? ☐ → W

What is the value of the 3 in 270,371? ☐ → C

What is the value of the 5 in 72,156? ☐ → L

What is the value of the 8 in 48,127? ☐ → A

What is the value of the 6 in 81,641? ☐ → R

What is the value of the 7 in 401,971? ☐ → U

What is the value of the 4 in 93,430? ☐ → O

What is the value of the 4 in 31,248? ☐ → S

What is the value of the 2 in 37,283? ☐ → E

What is the value of the 5 in 448,531? ☐ → K

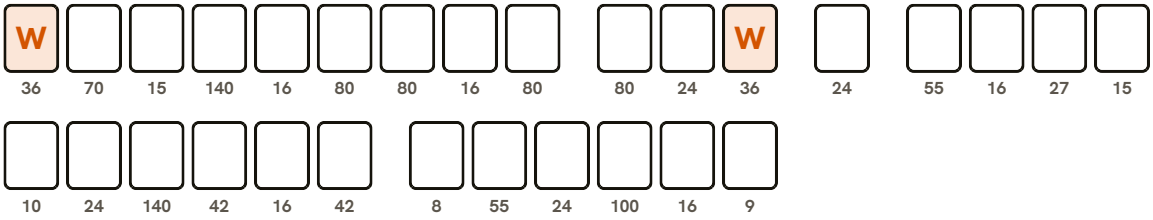
What is the value of the 3 in 13,461? ☐ → H

Scratch space:

CLUE 2 Skip counting

The shot clock counts down in steady jumps. Follow the skip counting pattern to reveal the next clue.

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



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

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

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, ___, 26, 28 ☐ → A

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, ___, 18, 21 ☐ → T

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

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

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

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

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, ___, 45, 48 ☐ → D

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

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

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

Skip-count by 3s. Fill the blank: 3, 6, ___, 12, 15 ☐ → R

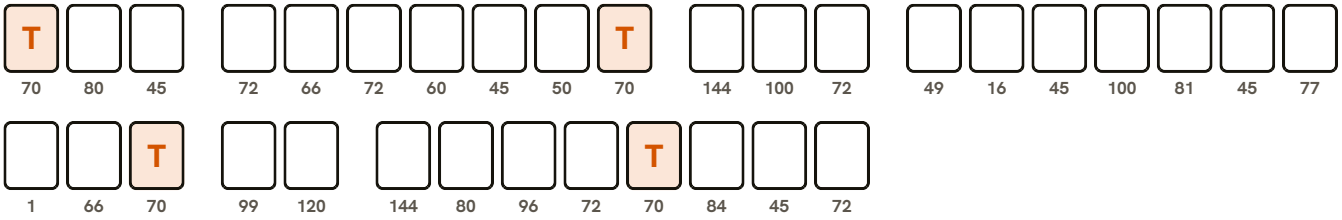
Skip-count by 2s. Fill the blank: 2, 4, 6, ___, 10, 12 ☐ → P

Scratch space:

CLUE 3 Multiplication facts (1-12)

The bench manager is organizing basketballs in equal rows. Multiply the groups to reveal a clue.

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



7 × 10 = ☐ → T

9 × 9 = ☐ → K

10 × 10 = ☐ → A

6 × 12 = ☐ → S

5 × 9 = ☐ → E

10 × 8 = ☐ → H

11 × 7 = ☐ → D

5 × 10 = ☐ → C

1 × 1 = ☐ → O

2 × 8 = ☐ → R

12 × 7 = ☐ → L

11 × 9 = ☐ → B

8 × 12 = ☐ → I

12 × 10 = ☐ → Y

11 × 6 = ☐ → U

12 × 12 = ☐ → W

7 × 7 = ☐ → F

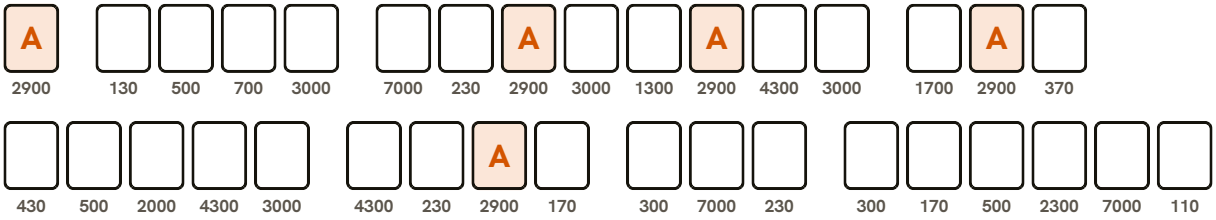
12 × 5 = ☐ → P

Scratch space:

CLUE 4 Rounding

The scoreboard radar rounds all speed numbers to the nearest ten. Round the speeds to find the trace.

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



Round 2,892 to the nearest hundred ☐ → **A**

Round 229 to the nearest ten ☐ → **E**

Round 107 to the nearest ten ☐ → **Y**

Round 526 to the nearest hundred ☐ → **O**

Round 2,837 to the nearest thousand ☐ → **D**

Round 1,664 to the nearest hundred ☐ → **W**

Round 305 to the nearest hundred ☐ → **T**

Round 1,297 to the nearest hundred ☐ → **B**

Round 429 to the nearest ten ☐ → **F**

Round 652 to the nearest hundred ☐ → **L**

Round 372 to the nearest ten ☐ → **S**

Round 133 to the nearest ten ☐ → **G**

Round 2,334 to the nearest hundred ☐ → **P**

Round 4,307 to the nearest hundred ☐ → **N**

Round 1,678 to the nearest thousand ☐ → **U**

Round 167 to the nearest ten ☐ → **R**

Round 7,412 to the nearest thousand ☐ → **H**

Scratch space:

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

> The coach splits practice jerseys equally among the players. Divide the supplies to solve the final puzzle.

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:

64 ÷ 8 = ☐	12 ÷ 6 = ☐	11 ÷ 11 = ☐	20 ÷ 2 = ☐	36 ÷ 6 = ☐
88 ÷ 8 = ☐	63 ÷ 9 = ☐	108 ÷ 12 = ☐	84 ÷ 7 = ☐	3 ÷ 1 = ☐
16 ÷ 4 = ☐				

Step 2 - cross out the sentence with each answer:

1. The villain executed a slick crossover, then adjusted high socks.
2. The villain threw a no look pass, then pulled up a padded sleeve.
3. The villain busted out a euro step, then lowered a tinted visor.
4. The villain threw a no look pass, then tightened grip gloves.
5. The villain sank a smooth fadeaway, then pulled up a padded sleeve.
6. The villain showed off a sky hook, then tightened grip gloves.
7. The villain threw a no look pass, then strapped on ankle braces.
8. The villain showed off a sky hook, then pulled up a padded sleeve.
9. The villain sank a smooth fadeaway, then adjusted high socks.
10. The villain busted out a euro step, then strapped on ankle braces.
11. The villain executed a slick crossover, then tightened grip gloves.
12. The villain executed a slick crossover, then strapped on ankle braces.

TEACHER / PARENT

Answer Key

The Great Championship Trophy Caper

Culprit: DeAaron Fox

Fadeaway · Padded Sleeve · Left Handed · Gold Headband · Loud Whistles

Trail: Start 21 → Clue 1 17 → Clue 2 11 → Clue 3 8 → Clue 4 4 → Clue 5 1

Clue 1 (Place value): "THE SUSPECT DOES NOT WEAR ANKLE BRACES"

What is the value of the 6 in 36,553? = 6000 (T) · What is the value of the 8 in 92,384? = 80 (N) · What is the value of the 6 in 793,960? = 60 (B) · What is the value of the 1 in 77,170? = 100 (D) · What is the value of the 3 in 57,739? = 30 (P) · What is the value of the 8 in 936,831? = 800 (W) · What is the value of the 3 in 270,371? = 300 (C) · What is the value of the 5 in 72,156? = 50 (L) · What is the value of the 8 in 48,127? = 8000 (A) · What is the value of the 6 in 81,641? = 600 (R) · What is the value of the 7 in 401,971? = 70 (U) · What is the value of the 4 in 93,430? = 400 (O) · What is the value of the 4 in 31,248? = 40 (S) · What is the value of the 2 in 37,283? = 200 (E) · What is the value of the 5 in 448,531? = 500 (K) · What is the value of the 3 in 13,461? = 3000 (H)

Clue 2 (Skip counting): "WITNESSES SAW A LEFT HANDED PLAYER"

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, ___, 39, 42 = 36 (W) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, ___, 75, 80 = 70 (I) · 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 3s. Fill the blank: 3, 6, 9, 12, ___, 18, 21 = 15 (T) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, ___, 110, 120 = 100 (Y) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, ___, 90, 100 = 80 (S) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, ___, 60, 65 = 55 (L) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, ___, 18, 20 = 16 (E) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, ___, 45, 48 = 42 (D) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, ___, 30, 33 = 27 (F) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, ___, 150, 160 = 140 (N) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, ___, 12, 14 = 10 (H) · Skip-count by 3s. Fill the blank: 3, 6, ___, 12, 15 = 9 (R) · Skip-count by 2s. Fill the blank: 2, 4, 6, ___, 10, 12 = 8 (P)

Clue 3 (Multiplication facts (1-12)): "THE SUSPECT WAS FREAKED OUT BY WHISTLES"

7 × 10 = 70 (T) · 9 × 9 = 81 (K) · 10 × 10 = 100 (A) · 6 × 12 = 72 (S) · 5 × 9 = 45 (E) · 10 × 8 = 80 (H) · 11 × 7 = 77 (D) · 5 × 10 = 50 (C) · 1 × 1 = 1 (O) · 2 × 8 = 16 (R) · 12 × 7 = 84 (L) · 11 × 9 = 99 (B) · 8 × 12 = 96 (I) · 12 × 10 = 120 (Y) · 11 × 6 = 66 (U) · 12 × 12 = 144 (W) · 7 × 7 = 49 (F) · 12 × 5 = 60 (P)

Clue 4 (Rounding): "A GOLD HEADBAND WAS FOUND NEAR THE TROPHY"

Round 2,892 to the nearest hundred = 2900 (A) · Round 229 to the nearest ten = 230 (E) · Round 107 to the nearest ten = 110 (Y) · Round 526 to the nearest hundred = 500 (O) · Round 2,837 to the nearest thousand = 3000 (D) · Round 1,664 to the nearest hundred = 1700 (W) · Round 305 to the nearest hundred = 300 (T) · Round 1,297 to the nearest hundred = 1300 (B) · Round 429 to the nearest ten = 430 (F) · Round 652 to the nearest hundred = 700 (L) · Round 372 to the nearest ten = 370 (S) · Round 133 to the nearest ten = 130 (G) · Round 2,334 to the nearest hundred = 2300 (P) · Round 4,307 to the nearest hundred = 4300 (N) · Round 1,678 to the nearest thousand = 2000 (U) · Round 167 to the nearest ten = 170 (R) · Round 7,412 to the nearest thousand = 7000 (H)

Clue 5 (Division facts (1-12)): surviving statement is box 5 → DeAaron Fox

64 ÷ 8 = 8 · 12 ÷ 6 = 2 · 11 ÷ 11 = 1 · 20 ÷ 2 = 10 · 36 ÷ 6 = 6 · 88 ÷ 8 = 11 · 63 ÷ 9 = 7 · 108 ÷ 12 = 9 · 84 ÷ 7 = 12 · 3 ÷ 1 = 3 · 16 ÷ 4 = 4