



The Missing Championship Trophy Mystery

Grade 4 math · Rounding, Addition, Subtraction, Multiplication, Division · Reading level grades 3-4

Detective: _____ Date: _____

During the championship tournament, someone sneaked into the arena vault and snatched the golden trophy! Detective, check the court evidence and clear the innocent players.

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	GEAR UPGRADE	WRISTBAND STYLE	HAIRSTYLE	COURT WEAKNESS
Rui Hachimura	POWER DUNK	POCKET CHALK	WEARS RIGHT WRISTBAND	BUZZ CUT	SLIPPERY FLOOR
Darius Garland	HALFCOURT SHOT	TURBO SNEAKERS	WEARS LEFT WRISTBAND	BRAIDED HAIR	LOUD WHISTLES
Malik Monk	FAST BREAK	POCKET CHALK	WEARS LEFT WRISTBAND	BUZZ CUT	SLIPPERY FLOOR
Jaylen Brown	NO LOOK PASS	TURBO SNEAKERS	WEARS RIGHT WRISTBAND	BUZZ CUT	BRIGHT LIGHTS
Bam Adebayo	HALFCOURT SHOT	TITANIUM WHISTLE	WEARS LEFT WRISTBAND	HEADBAND CAP	SLIPPERY FLOOR
Jimmy Butler	CHASEDOWN BLOCK	GLOWING HEADBAND	WEARS RIGHT WRISTBAND	HEADBAND CAP	SLIPPERY FLOOR
D'Angelo Russell	FAST BREAK	TITANIUM WHISTLE	WEARS LEFT WRISTBAND	BRAIDED HAIR	SLIPPERY FLOOR
LeBron James	HALFCOURT SHOT	TURBO SNEAKERS	WEARS LEFT WRISTBAND	HEADBAND CAP	SLIPPERY FLOOR
Alex Caruso	POWER DUNK	POCKET CHALK	WEARS LEFT WRISTBAND	BRAIDED HAIR	SLIPPERY FLOOR
Dwyane Wade	HALFCOURT SHOT	POCKET CHALK	WEARS RIGHT WRISTBAND	BUZZ CUT	LOUD WHISTLES
Chris Bosh	NO LOOK PASS	TURBO SNEAKERS	WEARS LEFT WRISTBAND	BRAIDED HAIR	LOUD WHISTLES
JR Smith	HALFCOURT SHOT	MAGNETIC GRIP	WEARS LEFT WRISTBAND	HEADBAND CAP	SLIPPERY FLOOR
Lauri Markkanen	FAST BREAK	GLOWING HEADBAND	WEARS LEFT WRISTBAND	HEADBAND CAP	BRIGHT LIGHTS
Donovan Mitchell	FAST BREAK	TITANIUM WHISTLE	WEARS LEFT WRISTBAND	HEADBAND CAP	BRIGHT LIGHTS
Anthony Davis	CHASEDOWN BLOCK	TURBO SNEAKERS	WEARS LEFT WRISTBAND	HEADBAND CAP	SLIPPERY FLOOR
Pascal Siakam	CHASEDOWN BLOCK	GLOWING HEADBAND	WEARS LEFT WRISTBAND	BUZZ CUT	BRIGHT LIGHTS
Tyrese Haliburton	HALFCOURT SHOT	GLOWING HEADBAND	WEARS LEFT WRISTBAND	HEADBAND CAP	BRIGHT LIGHTS
De'Aaron Fox	FAST BREAK	TITANIUM WHISTLE	WEARS LEFT WRISTBAND	BRAIDED HAIR	LOUD WHISTLES
Kevin Love	FAST BREAK	GLOWING HEADBAND	WEARS LEFT WRISTBAND	HEADBAND CAP	SLIPPERY FLOOR
Kyrie Irving	HALFCOURT SHOT	TURBO SNEAKERS	WEARS RIGHT WRISTBAND	BUZZ CUT	SLIPPERY FLOOR
Ray Allen	NO LOOK PASS	MAGNETIC GRIP	WEARS LEFT WRISTBAND	BRAIDED HAIR	BRIGHT LIGHTS

CLUE 1

The arena scoreboard rounds all stats to the nearest ten to keep the display readable.

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

170 70 700 3700 2300 30 30 50 2300 2900 290 230 700 200 2900 230 170 3000 200 700 50 170 2300 170 50 2900 2300 3000 7000 130 70 2300 200 170 30 700

Round 167 to the nearest ten $\rightarrow$ **T**

Round 230 to the nearest ten $\rightarrow$

Round 126 to the nearest ten $\rightarrow$ **W**

Round 692 to the nearest hundred → **E**

Round 2,291 to the nearest hundred $\rightarrow$

Round 70 to the nearest ten $\rightarrow$ **H**

Round 47 to the nearest ten $\rightarrow$ **A**

Round 3,698 to the nearest hundred →

Round 2,867 to the nearest hundred → **N**

Round 6,511 to the nearest thousand → **M**

Round 2,561 to the nearest thousand →

Round 32 to the nearest ten → **L**

Round 292 to the nearest ten → **D**

Round 187 to the nearest hundred →

Scratch space:

CLUE 2 Addition

Coach Marcus counts the practice jerseys collected after morning drills.

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

T									T							
7203	3575	8380	9443	3485	9443	5295	8380	8252	7203	6848	8380	5440	5582	9443	5440	

				T							T					T	
6848	5582	6293	9443	7203	5639	5440	5126	5883	4084	5126	7203	3575	8380	7113	8380	5691	7203

$2470 + 4733 = \square \rightarrow \text{**T**}$

$2130 + 3509 = \square \rightarrow \text{**B**}$

$1520 + 2564 = \square \rightarrow \text{**O**}$

$1715 + 3411 = \square \rightarrow \text{**N**}$

$2815 + 3478 = \square \rightarrow \text{**I**}$

$2664 + 2776 = \square \rightarrow \text{**A**}$

$3516 + 2367 = \square \rightarrow \text{**D**}$

$2382 + 4466 = \square \rightarrow \text{**W**}$

$5234 + 3146 = \square \rightarrow \text{**E**}$

$4304 + 2809 = \square \rightarrow \text{**L**}$

$2009 + 3573 = \square \rightarrow \text{**R**}$

$1771 + 3920 = \square \rightarrow \text{**F**}$

$1805 + 1770 = \square \rightarrow \text{**H**}$

$1269 + 2216 = \square \rightarrow \text{**U**}$

$4626 + 4817 = \square \rightarrow \text{**S**}$

$3655 + 1640 = \square \rightarrow \text{**P**}$

$4481 + 3771 = \square \rightarrow \text{**C**}$

Scratch space:

CLUE 3

Subtraction

The equipment manager calculates how many extra basketballs are left in the rack.

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

T																		
8709	7834	3911	7060	6943	3425	3425	4740	6943	3253	4320	4740	7371	7371	3425	7274	4320	3911	4604

8033	2233	4740	7371	3425	6943	4863	4863	3911	7322	2233	7794	3425	7274	7322

$9985 - 1276 = \square \rightarrow \boxed{\text{T}}$

$3082 - 849 = \square \rightarrow \boxed{\text{Y}}$

$10836 - 3042 = \square \rightarrow \boxed{\text{F}}$

$9494 - 2434 = \square \rightarrow \boxed{\text{V}}$

$7783 - 4530 = \square \rightarrow \boxed{\text{N}}$

$7792 - 3472 = \square \rightarrow \boxed{\text{W}}$

$7530 - 2790 = \square \rightarrow \boxed{\text{A}}$

$8623 - 3760 = \square \rightarrow \boxed{\text{P}}$

$10848 - 3526 = \square \rightarrow \boxed{\text{R}}$

$5357 - 1446 = \square \rightarrow \boxed{\text{E}}$

$7761 - 487 = \square \rightarrow \boxed{\text{O}}$

$5095 - 1670 = \square \rightarrow \boxed{\text{L}}$

$11884 - 4513 = \square \rightarrow \boxed{\text{S}}$

$10661 - 3718 = \square \rightarrow \boxed{\text{I}}$

$4752 - 148 = \square \rightarrow \boxed{\text{D}}$

$9446 - 1612 = \square \rightarrow \boxed{\text{H}}$

$12704 - 4671 = \square \rightarrow \boxed{\text{B}}$

Scratch space:

Multiplication facts (1-12)

The court crew arranges water bottles into equal rows along the team bench.

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

The diagram illustrates a sequence of numbers arranged in three rows. The first row contains 15 boxes, the second row contains 17 boxes, and the third row contains 3 boxes. The numbers below the boxes are: Row 1: 28, 84, 27, 3, 28, 11, 2, 28, 5, 45, 6, 32, 5, 56, 45, 28. Row 2: 84, 27, 110, 110, 132, 27, 11, 45, 132, 5, 132, 45, 28, 132, 3, 22, 132, 11, 3. Row 3: 2, 132, 12. The boxes containing the numbers 28, 28, and 28 in the first row are shaded orange and labeled 'E', indicating errors.

$4 \times 7 = \boxed{} \rightarrow \boxed{\text{E}}$

$$8 \times 4 = \boxed{} \rightarrow \boxed{\mathbf{W}}$$

$$12 \times 7 = \boxed{} \rightarrow \boxed{\mathbf{V}}$$

$1 \times 5 = \boxed{} \rightarrow \boxed{\mathbf{S}}$

$1 \times 12 = \boxed{} \rightarrow \text{P}$

$$10 \times 11 = \boxed{} \rightarrow \boxed{\text{L}}$$

$1 \times 3 = \boxed{} \rightarrow \mathbf{D}$

$9 \times 3 = \square \rightarrow \boxed{1}$

$7 \times 8 = \square \rightarrow \mathbf{T}$

$$1 \times 6 = \boxed{} \rightarrow \boxed{0}$$

$9 \times 5 = \square \rightarrow \boxed{\text{H}}$

$11 \times 2 = \square \rightarrow \mathbf{B}$

$1 \times 2 = \square \rightarrow \boxed{\mathbf{C}}$

$11 \times 12 = \square \rightarrow \mathbf{A}$

$$11 \times 1 = \boxed{} \rightarrow \boxed{\text{N}}$$

Scratch space:

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

The players split championship rings evenly among the tournament squad.

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:

$54 \div 6 = \boxed{}$

$16 \div 4 = \boxed{}$

$55 \div 11 = \boxed{}$

$120 \div 10 = \boxed{}$

$35 \div 5 = \boxed{}$

$18 \div 3 = \boxed{}$

$48 \div 6 = \boxed{}$

$33 \div 3 = \boxed{}$

$8 \div 4 = \boxed{}$

$24 \div 8 = \boxed{}$

$2 \div 2 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain thundered a power dunk, then activated magnetic grip.
2. The villain started a fast break, then dusted hands with pocket chalk.
3. The villain started a fast break, then laced up turbo sneakers.
4. The villain drained a halfcourt shot, then laced up turbo sneakers.
5. The villain executed a chasedown block, then laced up turbo sneakers.
6. The villain thundered a power dunk, then laced up turbo sneakers.
7. The villain thundered a power dunk, then adjusted a glowing headband.
8. The villain threw a no look pass, then blew a titanium whistle.
9. The villain started a fast break, then adjusted a glowing headband.
10. The villain drained a halfcourt shot, then activated magnetic grip.
11. The villain drained a halfcourt shot, then blew a titanium whistle.
12. The villain started a fast break, then blew a titanium whistle.

Answer Key

The Missing Championship Trophy Mystery

Culprit: JR Smith

HALFCOURT SHOT · MAGNETIC GRIP · WEARS LEFT WRISTBAND · HEADBAND CAP · SLIPPERY FLOOR

Trail: Start 21 → Clue 1 17 → Clue 2 12 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE VILLAIN DOES NOT USE A TITANIUM WHISTLE"

Round 167 to the nearest ten = 170 (T) · Round 230 to the nearest ten = 230 (O) · Round 126 to the nearest ten = 130 (W) · Round 692 to the nearest hundred = 700 (E) · Round 2,291 to the nearest hundred = 2300 (I) · Round 70 to the nearest ten = 70 (H) · Round 47 to the nearest ten = 50 (A) · Round 3,698 to the nearest hundred = 3700 (V) · Round 2,867 to the nearest hundred = 2900 (N) · Round 6,511 to the nearest thousand = 7000 (M) · Round 2,561 to the nearest thousand = 3000 (U) · Round 32 to the nearest ten = 30 (L) · Round 292 to the nearest ten = 290 (D) · Round 187 to the nearest hundred = 200 (S)

Clue 2 (Addition): "THE SUSPECT WEARS A WRISTBAND ON THE LEFT"

$2470 + 4733 = 7203$ (T) · $2130 + 3509 = 5639$ (B) · $1520 + 2564 = 4084$ (O) · $1715 + 3411 = 5126$ (N) · $2815 + 3478 = 6293$ (I) · $2664 + 2776 = 5440$ (A) · $3516 + 2367 = 5883$ (D) · $2382 + 4466 = 6848$ (W) · $5234 + 3146 = 8380$ (E) · $4304 + 2809 = 7113$ (L) · $2009 + 3573 = 5582$ (R) · $1771 + 3920 = 5691$ (F) · $1805 + 1770 = 3575$ (H) · $1269 + 2216 = 3485$ (U) · $4626 + 4817 = 9443$ (S) · $3655 + 1640 = 5295$ (P) · $4481 + 3771 = 8252$ (C)

Clue 3 (Subtraction): "THE VILLAIN WAS SLOWED BY A SLIPPERY FLOOR"

$9985 - 1276 = 8709$ (T) · $3082 - 849 = 2233$ (Y) · $10836 - 3042 = 7794$ (F) · $9494 - 2434 = 7060$ (V) · $7783 - 4530 = 3253$ (N) · $7792 - 3472 = 4320$ (W) · $7530 - 2790 = 4740$ (A) · $8623 - 3760 = 4863$ (P) · $10848 - 3526 = 7322$ (R) · $5357 - 1446 = 3911$ (E) · $7761 - 487 = 7274$ (O) · $5095 - 1670 = 3425$ (L) · $11884 - 4513 = 7371$ (S) · $10661 - 3718 = 6943$ (I) · $4752 - 148 = 4604$ (D) · $9446 - 1612 = 7834$ (H) · $12704 - 4671 = 8033$ (B)

Clue 4 (Multiplication facts (1-12)): "EVIDENCE SHOWS THE VILLAIN HAS A HEADBAND CAP"

$4 \times 7 = 28$ (E) · $8 \times 4 = 32$ (W) · $12 \times 7 = 84$ (V) · $1 \times 5 = 5$ (S) · $1 \times 12 = 12$ (P) · $10 \times 11 = 110$ (L) · $1 \times 3 = 3$ (D) · $9 \times 3 = 27$ (I) · $7 \times 8 = 56$ (T) · $1 \times 6 = 6$ (O) · $9 \times 5 = 45$ (H) · $11 \times 2 = 22$ (B) · $1 \times 2 = 2$ (C) · $11 \times 12 = 132$ (A) · $11 \times 1 = 11$ (N)

Clue 5 (Division facts (1-12)): surviving statement is box 10 → JR Smith

$54 \div 6 = 9$ · $16 \div 4 = 4$ · $55 \div 11 = 5$ · $120 \div 10 = 12$ · $35 \div 5 = 7$ · $18 \div 3 = 6$ · $48 \div 6 = 8$ · $33 \div 3 = 11$ · $8 \div 4 = 2$ · $24 \div 8 = 3$ · $2 \div 2 = 1$