The Great All Star Trophy Heist

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

Detective: _____ **Date:** _____

The golden championship trophy vanished from center court right before the big crossover game! Coach Taylor needs your detective skills to clear the suspects and track down the culprit.

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 Championship Thief is _____

Possible suspects

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

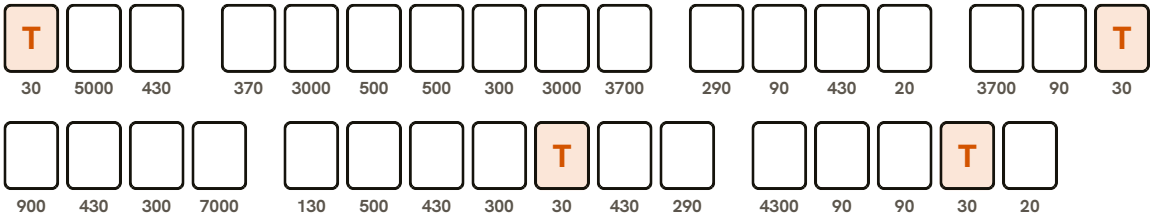
NAME	SIGNATURE MOVE	SPECIAL GEAR	SHOOTING HAND	HAIRSTYLE	DISTRACTION
Luka Doncic	Sack Attack	Padded Gloves	Right Handed	Short Buzz	Loud Whistle
Kevin Durant	Euro Step	Grip Socks	Right Handed	Long Braids	Squeaky Shoes
Christian McCaffrey	Euro Step	Padded Sleeves	Right Handed	Curly Top	Bouncing Ball
Jalen Hurts	Euro Step	High Top Sneakers	Right Handed	Short Buzz	Loud Whistle
Anthony Davis	Hail Mary Pass	Cleated Boots	Right Handed	Short Buzz	Loud Whistle
Zion Williamson	Spin Move	Cleated Boots	Right Handed	Curly Top	Loud Whistle
Justin Jefferson	Sack Attack	Padded Gloves	Left Handed	Long Braids	Loud Whistle
Giannis Antetokounmpo	Euro Step	Cleated Boots	Right Handed	Short Buzz	Squeaky Shoes
Derrick Henry	Crossover Dribble	High Top Sneakers	Right Handed	Curly Top	Bouncing Ball
Patrick Mahomes	Hail Mary Pass	Padded Gloves	Right Handed	Curly Top	Loud Whistle
Saquon Barkley	Crossover Dribble	Padded Sleeves	Left Handed	Curly Top	Bouncing Ball
LeBron James	Crossover Dribble	Padded Gloves	Right Handed	Short Buzz	Squeaky Shoes
Joe Burrow	Crossover Dribble	Padded Sleeves	Right Handed	Curly Top	Loud Whistle
Tyreek Hill	Euro Step	Padded Gloves	Right Handed	Curly Top	Loud Whistle
Devin Booker	Crossover Dribble	Grip Socks	Right Handed	Curly Top	Squeaky Shoes
Damian Lillard	Hail Mary Pass	Grip Socks	Left Handed	Curly Top	Loud Whistle
Donovan Mitchell	Crossover Dribble	High Top Sneakers	Right Handed	Short Buzz	Loud Whistle
Lamar Jackson	Crossover Dribble	Cleated Boots	Right Handed	Long Braids	Squeaky Shoes
Jimmy Butler	Euro Step	High Top Sneakers	Right Handed	Short Buzz	Squeaky Shoes
Josh Allen	Sack Attack	High Top Sneakers	Right Handed	Curly Top	Loud Whistle
Steph Curry	Euro Step	Padded Sleeves	Left Handed	Curly Top	Loud Whistle

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CLUE 1 Rounding

The arena security radar only shows rounded distance estimates but it gives us our first break.

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



Round 30 to the nearest ten ☐ → T

Round 866 to the nearest hundred ☐ → W

Round 132 to the nearest ten ☐ → C

Round 289 to the nearest ten ☐ → D

Round 3,712 to the nearest hundred ☐ → N

Round 431 to the nearest ten ☐ → E

Round 6,732 to the nearest thousand ☐ → R

Round 523 to the nearest hundred ☐ → L

Round 333 to the nearest hundred ☐ → A

Round 87 to the nearest ten ☐ → O

Round 370 to the nearest ten ☐ → V

Round 4,255 to the nearest hundred ☐ → B

Round 5,003 to the nearest thousand ☐ → H

Round 2,777 to the nearest thousand ☐ → I

Round 16 to the nearest ten ☐ → S

Scratch space:

CLUE 2

Addition

Coach tallied all the practice basketballs in the locker room to reveal the next clue.

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



1061 + 1041 = ☐ → W	2452 + 5314 = ☐ → A	1869 + 2842 = ☐ → E
1903 + 1225 = ☐ → S	3375 + 5207 = ☐ → G	1375 + 994 = ☐ → H
5538 + 4239 = ☐ → I	1406 + 1439 = ☐ → T	863 + 1610 = ☐ → N
3760 + 2091 = ☐ → D	3456 + 2968 = ☐ → R	2236 + 3736 = ☐ → L

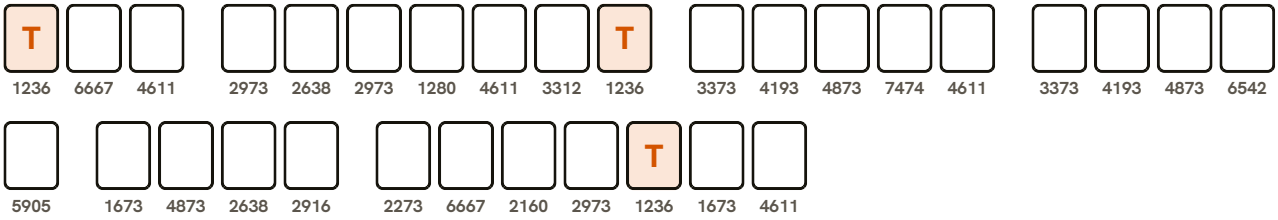
Scratch space:

CLUE 3

Subtraction

We subtracted the missing helmets from the equipment rack to unlock this message.

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



3625 - 2389 = ☐ → T

4148 - 836 = ☐ → C

5154 - 2881 = ☐ → W

10608 - 4066 = ☐ → M

4072 - 699 = ☐ → F

5469 - 3309 = ☐ → I

3013 - 97 = ☐ → D

7494 - 2883 = ☐ → E

10462 - 3795 = ☐ → H

8206 - 732 = ☐ → Z

6259 - 1386 = ☐ → O

5307 - 1114 = ☐ → R

8933 - 3028 = ☐ → A

4477 - 2804 = ☐ → L

5782 - 4502 = ☐ → P

7847 - 4874 = ☐ → S

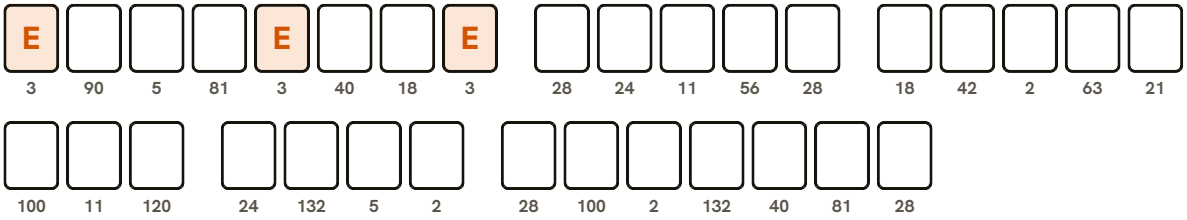
3846 - 1208 = ☐ → U

Scratch space:

CLUE 4 Multiplication facts (1-12)

> By counting equal rows of stadium seats the team solved the code for another lead.

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



3 × 1 = ☐ → E	8 × 5 = ☐ → N	2 × 1 = ☐ → R	7 × 9 = ☐ → L
12 × 2 = ☐ → H	10 × 10 = ☐ → T	9 × 10 = ☐ → V	
1 × 5 = ☐ → I	10 × 12 = ☐ → P	6 × 7 = ☐ → U	
9 × 9 = ☐ → D	3 × 7 = ☐ → Y	11 × 12 = ☐ → A	
6 × 3 = ☐ → C	7 × 8 = ☐ → W	1 × 11 = ☐ → O	7 × 4 = ☐ → S

Scratch space:

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

> Sharing the remaining energy drinks equally among the squad gave us the final hint.

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:

80 ÷ 10 = ☐ | 88 ÷ 8 = ☐ | 72 ÷ 12 = ☐ | 16 ÷ 8 = ☐ | 4 ÷ 4 = ☐

28 ÷ 7 = ☐ | 100 ÷ 10 = ☐ | 18 ÷ 6 = ☐ | 84 ÷ 12 = ☐ | 90 ÷ 10 = ☐

96 ÷ 8 = ☐

Step 2 - cross out the sentence with each answer:

1. The villain drove with a swift euro step, then laced up cleated boots.
2. The villain executed a fast spin move, then laced up cleated boots.
3. The villain performed a crossover dribble, then smoothed down grip socks.
4. The villain charged with a sack attack, then smoothed down grip socks.
5. The villain charged with a sack attack, then adjusted high top sneakers.
6. The villain drove with a swift euro step, then strapped on padded gloves.
7. The villain drove with a swift euro step, then adjusted high top sneakers.
8. The villain performed a crossover dribble, then pulled up padded sleeves.
9. The villain threw a long hail mary pass, then smoothed down grip socks.
10. The villain threw a long hail mary pass, then pulled up padded sleeves.
11. The villain threw a long hail mary pass, then strapped on padded gloves.
12. The villain performed a crossover dribble, then laced up cleated boots.

TEACHER / PARENT

Answer Key

The Great All Star Trophy Heist

Culprit: Josh Allen

Sack Attack · High Top Sneakers · Right Handed · Curly Top · Loud Whistle

Trail: Start 21 → Clue 1 17 → Clue 2 13 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE VILLAIN DOES NOT WEAR CLEATED BOOTS"

Round 30 to the nearest ten = 30 (T) · Round 866 to the nearest hundred = 900 (W) · Round 132 to the nearest ten = 130 (C) · Round 289 to the nearest ten = 290 (D) · Round 3,712 to the nearest hundred = 3700 (N) · Round 431 to the nearest ten = 430 (E) · Round 6,732 to the nearest thousand = 7000 (R) · Round 523 to the nearest hundred = 500 (L) · Round 333 to the nearest hundred = 300 (A) · Round 87 to the nearest ten = 90 (O) · Round 370 to the nearest ten = 370 (V) · Round 4,255 to the nearest hundred = 4300 (B) · Round 5,003 to the nearest thousand = 5000 (H) · Round 2,777 to the nearest thousand = 3000 (I) · Round 16 to the nearest ten = 20 (S)

Clue 2 (Addition): "WITNESS SAW A RIGHT HANDED ATHLETE"

1061 + 1041 = 2102 (W) · 2452 + 5314 = 7766 (A) · 1869 + 2842 = 4711 (E) · 1903 + 1225 = 3128 (S) · 3375 + 5207 = 8582 (G) · 1375 + 994 = 2369 (H) · 5538 + 4239 = 9777 (I) · 1406 + 1439 = 2845 (T) · 863 + 1610 = 2473 (N) · 3760 + 2091 = 5851 (D) · 3456 + 2968 = 6424 (R) · 2236 + 3736 = 5972 (L)

Clue 3 (Subtraction): "THE SUSPECT FROZE FROM A LOUD WHISTLE"

3625 - 2389 = 1236 (T) · 4148 - 836 = 3312 (C) · 5154 - 2881 = 2273 (W) · 10608 - 4066 = 6542 (M) · 4072 - 699 = 3373 (F) · 5469 - 3309 = 2160 (I) · 3013 - 97 = 2916 (D) · 7494 - 2883 = 4611 (E) · 10462 - 3795 = 6667 (H) · 8206 - 732 = 7474 (Z) · 6259 - 1386 = 4873 (O) · 5307 - 1114 = 4193 (R) · 8933 - 3028 = 5905 (A) · 4477 - 2804 = 1673 (L) · 5782 - 4502 = 1280 (P) · 7847 - 4874 = 2973 (S) · 3846 - 1208 = 2638 (U)

Clue 4 (Multiplication facts (1-12)): "EVIDENCE SHOWS CURLY TOP HAIR STRANDS"

3 × 1 = 3 (E) · 8 × 5 = 40 (N) · 2 × 1 = 2 (R) · 7 × 9 = 63 (L) · 12 × 2 = 24 (H) · 10 × 10 = 100 (T) · 9 × 10 = 90 (V) · 1 × 5 = 5 (I) · 10 × 12 = 120 (P) · 6 × 7 = 42 (U) · 9 × 9 = 81 (D) · 3 × 7 = 21 (Y) · 11 × 12 = 132 (A) · 6 × 3 = 18 (C) · 7 × 8 = 56 (W) · 1 × 11 = 11 (O) · 7 × 4 = 28 (S)

Clue 5 (Division facts (1-12)): surviving statement is box 5 → Josh Allen

80 ÷ 10 = 8 · 88 ÷ 8 = 11 · 72 ÷ 12 = 6 · 16 ÷ 8 = 2 · 4 ÷ 4 = 1 · 28 ÷ 7 = 4 · 100 ÷ 10 = 10 · 18 ÷ 6 = 3 · 84 ÷ 12 = 7 · 90 ÷ 10 = 9 · 96 ÷ 8 = 12