The Case of the Missing Championship Trophy

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

Detective: _____ **Date:** _____

Right before the big Sports Mashup Championship game between basketball and football pros, the golden trophy vanished from center court! Detective, use the math clues from around the stadium to catch the stadium snatcher.

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 stadium snatcher is _____

Possible suspects

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

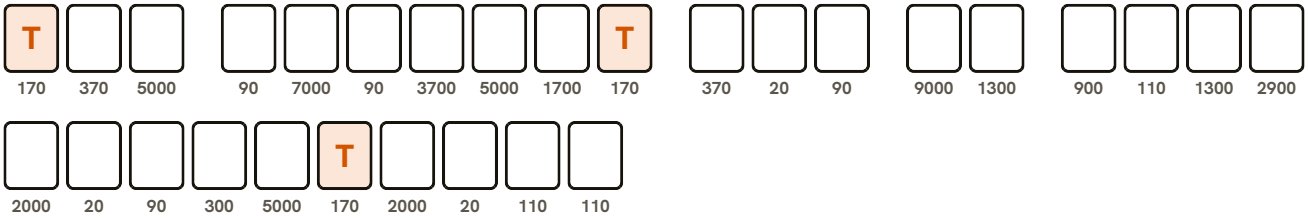
NAME	SIGNATURE MOVE	SPECIAL GEAR	DOMINANT HAND	HAIRSTYLE	WEAKNESS
Peyton Manning	Field Goal	Championship Ring	Right Handed	Curly Hair	Loud Whistle
Josh Allen	Slam Dunk	Golden Whistle	Left Handed	High Top	Popcorn Smell
Steph Curry	Alley Oop	Championship Ring	Right Handed	High Top	Loud Whistle
Shaquille O'Neal	Hail Mary	Glow Basketball	Left Handed	High Top	Squeaky Shoes
Giannis Antetokounmpo	Alley Oop	Foam Finger	Right Handed	Curly Hair	Popcorn Smell
Luka Doncic	Slam Dunk	Glow Basketball	Left Handed	High Top	Squeaky Shoes
Serena Williams	Hail Mary	Glow Basketball	Left Handed	Buzz Cut	Loud Whistle
Justin Jefferson	Slam Dunk	Golden Whistle	Left Handed	High Top	Loud Whistle
Tyreek Hill	Alley Oop	Foam Finger	Left Handed	High Top	Loud Whistle
LeBron James	Hail Mary	Championship Ring	Left Handed	High Top	Squeaky Shoes
A'ja Wilson	Fast Break	Mascot Mask	Left Handed	High Top	Popcorn Smell
Kobe Bryant	Alley Oop	Mascot Mask	Right Handed	Buzz Cut	Squeaky Shoes
Breanna Stewart	Field Goal	Mascot Mask	Left Handed	High Top	Loud Whistle
Caitlin Clark	Alley Oop	Foam Finger	Right Handed	Curly Hair	Loud Whistle
Jalen Hurts	Field Goal	Foam Finger	Left Handed	High Top	Loud Whistle
Michael Jordan	Fast Break	Mascot Mask	Left Handed	Curly Hair	Loud Whistle
Lamar Jackson	Slam Dunk	Championship Ring	Left Handed	Curly Hair	Squeaky Shoes
Patrick Mahomes	Hail Mary	Championship Ring	Right Handed	High Top	Squeaky Shoes
Devin Booker	Hail Mary	Glow Basketball	Left Handed	Buzz Cut	Popcorn Smell
Sabrina Ionescu	Slam Dunk	Golden Whistle	Left Handed	Buzz Cut	Loud Whistle
Angel Reese	Alley Oop	Glow Basketball	Left Handed	High Top	Loud Whistle

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CLUE 1 Rounding

The stadium digital clock rounded the suspect escape time to the nearest ten.

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



Round 166 to the nearest ten ☐ → T

Round 3,686 to the nearest hundred ☐ → P

Round 110 to the nearest ten ☐ → L

Round 8,959 to the nearest thousand ☐ → N

Round 343 to the nearest hundred ☐ → K

Round 19 to the nearest ten ☐ → A

Round 2,916 to the nearest hundred ☐ → W

Round 897 to the nearest hundred ☐ → G

Round 366 to the nearest ten ☐ → H

Round 88 to the nearest ten ☐ → S

Round 1,273 to the nearest hundred ☐ → O

Round 5,152 to the nearest thousand ☐ → E

Round 1,669 to the nearest hundred ☐ → C

Round 7,365 to the nearest thousand ☐ → U

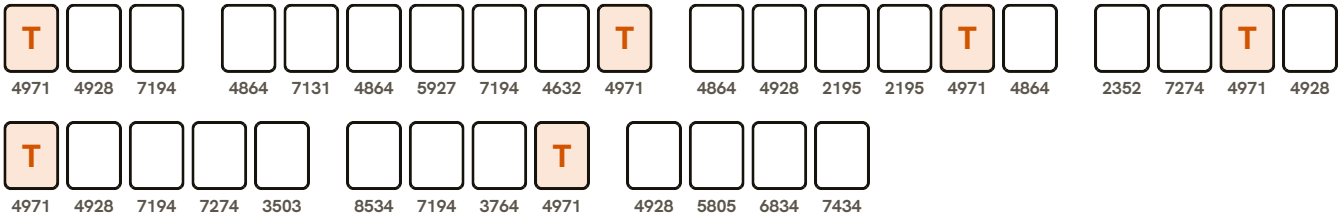
Round 2,225 to the nearest thousand ☐ → B

Scratch space:

CLUE 2 Addition

Coach Marcus totaled up all the heavy equipment bags left near the court.

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



3373 + 1598 = ☐ → T	5202 + 2232 = ☐ → D	1775 + 4030 = ☐ → A
4309 + 2885 = ☐ → E	1099 + 1096 = ☐ → O	3726 + 3405 = ☐ → U
1482 + 3382 = ☐ → S	3792 + 2135 = ☐ → P	2522 + 1242 = ☐ → F
2311 + 2321 = ☐ → C	5432 + 3102 = ☐ → L	1519 + 3409 = ☐ → H
2715 + 4119 = ☐ → N	1414 + 938 = ☐ → W	1703 + 1800 = ☐ → R
2956 + 4318 = ☐ → I		

Scratch space:

CLUE 3 Subtraction

The mascot checked how many practice footballs were missing from the rack.

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



10715 - 2727 = ☐ → A

5707 - 2211 = ☐ → C

6249 - 2278 = ☐ → W

4779 - 3431 = ☐ → E

4346 - 3086 = ☐ → S

5923 - 1239 = ☐ → H

6920 - 625 = ☐ → L

6831 - 3287 = ☐ → T

8107 - 3963 = ☐ → U

7003 - 2592 = ☐ → D

9307 - 2723 = ☐ → I

7384 - 2011 = ☐ → O

5910 - 1253 = ☐ → F

8715 - 2562 = ☐ → N

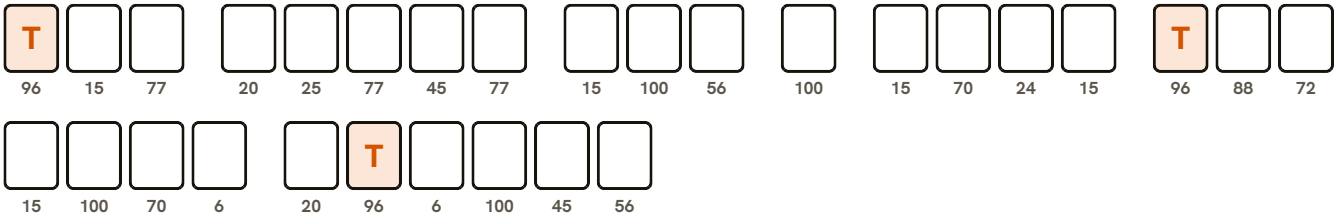
4426 - 21 = ☐ → P

Scratch space:

CLUE 4 Multiplication facts (1-12)

> The stat keeper counted the stadium seats by multiplying the equal rows.

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



8 × 12 = ☐ → T	10 × 10 = ☐ → A	9 × 5 = ☐ → N	
5 × 5 = ☐ → C	3 × 8 = ☐ → G	5 × 3 = ☐ → H	3 × 2 = ☐ → R
11 × 8 = ☐ → O	7 × 10 = ☐ → I	12 × 6 = ☐ → P	
10 × 2 = ☐ → S	11 × 7 = ☐ → E	7 × 8 = ☐ → D	

Scratch space:

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

> The equipment manager shared the practice jerseys equally among the team squads.

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:

12 ÷ 6 = ☐ | 120 ÷ 12 = ☐ | 30 ÷ 10 = ☐ | 60 ÷ 12 = ☐ | 132 ÷ 11 = ☐

1 ÷ 1 = ☐ | 40 ÷ 10 = ☐ | 44 ÷ 4 = ☐ | 16 ÷ 2 = ☐ | 18 ÷ 3 = ☐

35 ÷ 5 = ☐

Step 2 - cross out the sentence with each answer:

1. The villain started a fast break, then showed off the championship ring.
2. The villain tossed an alley oop, then waved the foam finger.
3. The villain kicked a field goal, then pulled on the mascot mask.
4. The villain threw a hail mary pass, then blew the golden whistle.
5. The villain tossed an alley oop, then bounced the glow basketball.
6. The villain executed a slam dunk, then bounced the glow basketball.
7. The villain started a fast break, then blew the golden whistle.
8. The villain threw a hail mary pass, then pulled on the mascot mask.
9. The villain executed a slam dunk, then blew the golden whistle.
10. The villain kicked a field goal, then waved the foam finger.
11. The villain kicked a field goal, then blew the golden whistle.
12. The villain started a fast break, then pulled on the mascot mask.

TEACHER / PARENT

Answer Key

The Case of the Missing Championship Trophy

Culprit: Justin Jefferson

Slam Dunk · Golden Whistle · Left Handed · High Top · Loud Whistle

Trail: Start 21 → Clue 1 16 → Clue 2 10 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE SUSPECT HAS NO GLOW BASKETBALL"

Round 166 to the nearest ten = 170 (T) · Round 3,686 to the nearest hundred = 3700 (P) · Round 110 to the nearest ten = 110 (L) · Round 8,959 to the nearest thousand = 9000 (N) · Round 343 to the nearest hundred = 300 (K) · Round 19 to the nearest ten = 20 (A) · Round 2,916 to the nearest hundred = 2900 (W) · Round 897 to the nearest hundred = 900 (G) · Round 366 to the nearest ten = 370 (H) · Round 88 to the nearest ten = 90 (S) · Round 1,273 to the nearest hundred = 1300 (O) · Round 5,152 to the nearest thousand = 5000 (E) · Round 1,669 to the nearest hundred = 1700 (C) · Round 7,365 to the nearest thousand = 7000 (U) · Round 2,225 to the nearest thousand = 2000 (B)

Clue 2 (Addition): "THE SUSPECT SHOOTS WITH THEIR LEFT HAND"

3373 + 1598 = 4971 (T) · 5202 + 2232 = 7434 (D) · 1775 + 4030 = 5805 (A) · 4309 + 2885 = 7194 (E) · 1099 + 1096 = 2195 (O) · 3726 + 3405 = 7131 (U) · 1482 + 3382 = 4864 (S) · 3792 + 2135 = 5927 (P) · 2522 + 1242 = 3764 (F) · 2311 + 2321 = 4632 (C) · 5432 + 3102 = 8534 (L) · 1519 + 3409 = 4928 (H) · 2715 + 4119 = 6834 (N) · 1414 + 938 = 2352 (W) · 1703 + 1800 = 3503 (R) · 2956 + 4318 = 7274 (I)

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

10715 - 2727 = 7988 (A) · 5707 - 2211 = 3496 (C) · 6249 - 2278 = 3971 (W) · 4779 - 3431 = 1348 (E) · 4346 - 3086 = 1260 (S) · 5923 - 1239 = 4684 (H) · 6920 - 625 = 6295 (L) · 6831 - 3287 = 3544 (T) · 8107 - 3963 = 4144 (U) · 7003 - 2592 = 4411 (D) · 9307 - 2723 = 6584 (I) · 7384 - 2011 = 5373 (O) · 5910 - 1253 = 4657 (F) · 8715 - 2562 = 6153 (N) · 4426 - 21 = 4405 (P)

Clue 4 (Multiplication facts (1-12)): "THE SCENE HAD A HIGH TOP HAIR STRAND"

8 × 12 = 96 (T) · 10 × 10 = 100 (A) · 9 × 5 = 45 (N) · 5 × 5 = 25 (C) · 3 × 8 = 24 (G) · 5 × 3 = 15 (H) · 3 × 2 = 6 (R) · 11 × 8 = 88 (O) · 7 × 10 = 70 (I) · 12 × 6 = 72 (P) · 10 × 2 = 20 (S) · 11 × 7 = 77 (E) · 7 × 8 = 56 (D)

Clue 5 (Division facts (1-12)): surviving statement is box 9 → Justin Jefferson

12 ÷ 6 = 2 · 120 ÷ 12 = 10 · 30 ÷ 10 = 3 · 60 ÷ 12 = 5 · 132 ÷ 11 = 12 · 1 ÷ 1 = 1 · 40 ÷ 10 = 4 · 44 ÷ 4 = 11 · 16 ÷ 2 = 8 · 18 ÷ 3 = 6 · 35 ÷ 5 = 7