



The Championship Trophy Caper

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

Detective: _____ Date: _____

The shiny championship trophy is missing from the center court display! A mysterious prankster has swapped it with a plain golden basketball. Head Coach Leslie needs your help to find the culprit before the big game starts.

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 the court crasher 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	LUCKY GEAR	DOMINANT HAND	HAIR STYLE	DISTRACTION
Aliyah Boston	Sky hook	Neon high-tops	Right-handed dribbler	Braided bun	Squeaking mascot horns
Jackie Young	Buzzer beater	Patterned arm sleeve	Right-handed dribbler	High ponytail	Loud squeaking shoes
Jonquel Jones	No-look pass	Patterned arm sleeve	Right-handed dribbler	Curly puff	Squeaking mascot horns
Rhyné Howard	Speed dribble	Logo water bottle	Left-handed dribbler	Curly puff	Loud squeaking shoes
Marina Mabrey	Step-back three	Neon high-tops	Left-handed dribbler	Braided bun	Loud squeaking shoes
Jewell Loyd	Sky hook	Sparkly headband	Left-handed dribbler	Curly puff	Loud squeaking shoes
Angel Reese	Speed dribble	Neon high-tops	Left-handed dribbler	Braided bun	Loud squeaking shoes
Nneka Ogumike	Speed dribble	Logo water bottle	Right-handed dribbler	Curly puff	Squeaking mascot horns
Brittney Griner	Sky hook	Patterned arm sleeve	Left-handed dribbler	Curly puff	Loud squeaking shoes
Aja Wilson	No-look pass	Gold whistle	Left-handed dribbler	High ponytail	Loud squeaking shoes
Napheesa Collier	Sky hook	Sparkly headband	Right-handed dribbler	High ponytail	Bright camera flashes
Breanna Stewart	Speed dribble	Gold whistle	Left-handed dribbler	Braided bun	Bright camera flashes
Alyssa Thomas	No-look pass	Gold whistle	Left-handed dribbler	Braided bun	Bright camera flashes
Chelsea Gray	Buzzer beater	Neon high-tops	Left-handed dribbler	Curly puff	Bright camera flashes
Cameron Brink	Step-back three	Gold whistle	Right-handed dribbler	Curly puff	Loud squeaking shoes
Arike Ogunbowale	Step-back three	Gold whistle	Left-handed dribbler	Curly puff	Loud squeaking shoes
Diana Taurasi	Sky hook	Sparkly headband	Right-handed dribbler	Braided bun	Squeaking mascot horns
Caitlin Clark	Step-back three	Logo water bottle	Left-handed dribbler	Braided bun	Squeaking mascot horns
DeWanna Bonner	No-look pass	Logo water bottle	Left-handed dribbler	Curly puff	Loud squeaking shoes
Sabrina Ionescu	No-look pass	Logo water bottle	Right-handed dribbler	Braided bun	Loud squeaking shoes
Kahleah Copper	Sky hook	Logo water bottle	Right-handed dribbler	High ponytail	Loud squeaking shoes

CLUE 1

Multiplication facts (1-12)

We need to check the ball racks in the practice gym. There are three racks, and each rack holds six basketballs. Multiply them to find the total balls, and we can unlock the security room.

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

T			T									
30	5	3	30	5	81	3	63	5	2	100	144	49

		T	T														
42	2	30	30	3	64	144	3	132	2	64	7	100	80	3	3	22	3

$10 \times 3 = \square \rightarrow \boxed{\text{T}}$

$2 \times 1 = \square \rightarrow \boxed{\text{A}}$

$10 \times 10 = \square \rightarrow \boxed{\text{S}}$

$10 \times 8 = \square \rightarrow \boxed{\text{L}}$

$11 \times 2 = \square \rightarrow \boxed{\text{V}}$

$6 \times 7 = \square \rightarrow \boxed{\text{P}}$

$7 \times 7 = \square \rightarrow \boxed{\text{O}}$

$3 \times 1 = \square \rightarrow \boxed{\text{E}}$

$1 \times 7 = \square \rightarrow \boxed{\text{M}}$

$12 \times 12 = \square \rightarrow \boxed{\text{N}}$

$9 \times 9 = \square \rightarrow \boxed{\text{I}}$

$9 \times 7 = \square \rightarrow \boxed{\text{F}}$

$11 \times 12 = \square \rightarrow \boxed{\text{D}}$

$5 \times 1 = \square \rightarrow \boxed{\text{H}}$

$8 \times 8 = \square \rightarrow \boxed{\text{R}}$

Scratch space:

CLUE 2 Rounding

The arena ticket scanner only shows rounded numbers. We have to round the spectator count to the nearest ten to get the code for the locker room door.

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

T										T								
300	90	60	20	200	20	6000	60	9000	300	8000	40	2000	4000	4000	3000	60	20	

		T		T					T					
5000	2000	300	90	300	90	60	3000	60	800	300	90	400	500	8000

Round 344 to the nearest hundred → **T**

Round 6,083 to the nearest thousand → **P**

Round 7,992 to the nearest thousand → **D**

Round 538 to the nearest hundred → **N**

Round 5,486 to the nearest thousand → **W**

Round 4,256 to the nearest thousand → **B**

Round 244 to the nearest hundred → **U**

Round 43 to the nearest ten → **R**

Round 62 to the nearest ten → **E**

Round 2,591 to the nearest thousand → **L**

Round 2,431 to the nearest thousand → **I**

Round 792 to the nearest hundred → **F**

Round 92 to the nearest ten → **H**

Round 417 to the nearest hundred → **A**

Round 9,479 to the nearest thousand → **C**

Round 24 to the nearest ten → **S**

Scratch space:

CLUE 3 Addition

The equipment manager is adding up the practice jerseys. Let's help her find the total sum so she can give us the witness report.

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

S							S				S								
382	721	827	740	708	969	963	382	824	847	740	382	460	328	710	710	422	708	969	740
530	824	740	422	857	827	422	287												

$203 + 179 = \square \rightarrow$ S	$456 + 368 = \square \rightarrow$ H	$162 + 368 = \square \rightarrow$ T
$224 + 484 = \square \rightarrow$ A	$270 + 470 = \square \rightarrow$ E	$204 + 218 = \square \rightarrow$ M
$523 + 334 = \square \rightarrow$ J	$238 + 472 = \square \rightarrow$ L	$125 + 203 = \square \rightarrow$ I
$387 + 576 = \square \rightarrow$ Y	$433 + 394 = \square \rightarrow$ U	$127 + 160 = \square \rightarrow$ P
$299 + 422 = \square \rightarrow$ Q	$427 + 420 = \square \rightarrow$ O	$239 + 221 = \square \rightarrow$ W
$560 + 409 = \square \rightarrow$ K		

Scratch space:

CLUE 4

Subtraction

The scoreboard shows the home team score and the away team score. Subtract the smaller score from the larger score to find the point difference and open the lockbox.

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

W																
756	221	173	200	416	560	696	639	796	416	405	171	480	249	416	173	173

218	639	303	405	796	171	303	249

$934 - 178 = \square \rightarrow \boxed{\text{W}}$

$943 - 147 = \square \rightarrow \boxed{\text{C}}$

$562 - 146 = \square \rightarrow \boxed{\text{U}}$

$447 - 274 = \square \rightarrow \boxed{\text{F}}$

$450 - 232 = \square \rightarrow \boxed{\text{H}}$

$638 - 233 = \square \rightarrow \boxed{\text{R}}$

$593 - 113 = \square \rightarrow \boxed{\text{Y}}$

$262 - 41 = \square \rightarrow \boxed{\text{E}}$

$552 - 381 = \square \rightarrow \boxed{\text{L}}$

$378 - 75 = \square \rightarrow \boxed{\text{I}}$

$929 - 233 = \square \rightarrow \boxed{\text{D}}$

$321 - 72 = \square \rightarrow \boxed{\text{P}}$

$886 - 247 = \square \rightarrow \boxed{\text{A}}$

$326 - 126 = \square \rightarrow \boxed{\text{O}}$

$664 - 104 = \square \rightarrow \boxed{\text{N}}$

Scratch space:

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

The coach wants to divide twenty-four players into equal drills. Figure out how many players go in each group so we can get the final clue.

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:

$5 \div 1 = \boxed{}$

$12 \div 1 = \boxed{}$

$24 \div 6 = \boxed{}$

$110 \div 10 = \boxed{}$

$2 \div 2 = \boxed{}$

$22 \div 11 = \boxed{}$

$36 \div 6 = \boxed{}$

$90 \div 10 = \boxed{}$

$72 \div 9 = \boxed{}$

$24 \div 8 = \boxed{}$

$20 \div 2 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain sinks a wild buzzer beater, then tugs their patterned arm sleeve.
2. The villain speeds past with a speed dribble, then flashes their neon high-tops.
3. The villain throws a tricky no-look pass, then adjusts their sparkly headband.
4. The villain hits a smooth step-back three, then blows a shiny gold whistle.
5. The villain scores a high sky hook, then adjusts their sparkly headband.
6. The villain sinks a wild buzzer beater, then adjusts their sparkly headband.
7. The villain throws a tricky no-look pass, then sips from a logo water bottle.
8. The villain throws a tricky no-look pass, then flashes their neon high-tops.
9. The villain scores a high sky hook, then tugs their patterned arm sleeve.
10. The villain speeds past with a speed dribble, then blows a shiny gold whistle.
11. The villain scores a high sky hook, then sips from a logo water bottle.
12. The villain speeds past with a speed dribble, then sips from a logo water bottle.

Answer Key

The Championship Trophy Caper

Culprit: DeWanna Bonner

No-look pass · Logo water bottle · Left-handed dribbler · Curly puff · Loud squeaking shoes

Trail: Start 21 → Clue 1 18 → Clue 2 11 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Multiplication facts (1-12)): "THE THIEF HAS NO PATTERNED ARM SLEEVE"

$10 \times 3 = 30$ (T) · $2 \times 1 = 2$ (A) · $10 \times 10 = 100$ (S) · $10 \times 8 = 80$ (L) · $11 \times 2 = 22$ (V) · $6 \times 7 = 42$ (P) · $7 \times 7 = 49$ (O) · $3 \times 1 = 3$ (E) · $1 \times 7 = 7$ (M) · $12 \times 12 = 144$ (N) · $9 \times 9 = 81$ (I) · $9 \times 7 = 63$ (F) · $11 \times 12 = 132$ (D) · $5 \times 1 = 5$ (H) · $8 \times 8 = 64$ (R)

Clue 2 (Rounding): "THE SUSPECT DRIBBLES WITH THE LEFT HAND"

Round 344 to the nearest hundred = 300 (T) · Round 6,083 to the nearest thousand = 6000 (P) · Round 7,992 to the nearest thousand = 8000 (D) · Round 538 to the nearest hundred = 500 (N) · Round 5,486 to the nearest thousand = 5000 (W) · Round 4,256 to the nearest thousand = 4000 (B) · Round 244 to the nearest hundred = 200 (U) · Round 43 to the nearest ten = 40 (R) · Round 62 to the nearest ten = 60 (E) · Round 2,591 to the nearest thousand = 3000 (L) · Round 2,431 to the nearest thousand = 2000 (I) · Round 792 to the nearest hundred = 800 (F) · Round 92 to the nearest ten = 90 (H) · Round 417 to the nearest hundred = 400 (A) · Round 9,479 to the nearest thousand = 9000 (C) · Round 24 to the nearest ten = 20 (S)

Clue 3 (Addition): "SQUEAKY SHOES WILL MAKE THEM JUMP"

$203 + 179 = 382$ (S) · $456 + 368 = 824$ (H) · $162 + 368 = 530$ (T) · $224 + 484 = 708$ (A) · $270 + 470 = 740$ (E) · $204 + 218 = 422$ (M) · $523 + 334 = 857$ (J) · $238 + 472 = 710$ (L) · $125 + 203 = 328$ (I) · $387 + 576 = 963$ (Y) · $433 + 394 = 827$ (U) · $127 + 160 = 287$ (P) · $299 + 422 = 721$ (Q) · $427 + 420 = 847$ (O) · $239 + 221 = 460$ (W) · $560 + 409 = 969$ (K)

Clue 4 (Subtraction): "WE FOUND A CURLY PUFF HAIR CLIP"

$934 - 178 = 756$ (W) · $943 - 147 = 796$ (C) · $562 - 146 = 416$ (U) · $447 - 274 = 173$ (F) · $450 - 232 = 218$ (H) · $638 - 233 = 405$ (R) · $593 - 113 = 480$ (Y) · $262 - 41 = 221$ (E) · $552 - 381 = 171$ (L) · $378 - 75 = 303$ (I) · $929 - 233 = 696$ (D) · $321 - 72 = 249$ (P) · $886 - 247 = 639$ (A) · $326 - 126 = 200$ (O) · $664 - 104 = 560$ (N)

Clue 5 (Division facts (1-12)): surviving statement is box 7 → DeWanna Bonner

$5 \div 1 = 5$ · $12 \div 1 = 12$ · $24 \div 6 = 4$ · $110 \div 10 = 11$ · $2 \div 2 = 1$ · $22 \div 11 = 2$ · $36 \div 6 = 6$ · $90 \div 10 = 9$ · $72 \div 9 = 8$ · $24 \div 8 = 3$ · $20 \div 2 = 10$