The Case of the Missing Championship Trophy

Grade 1 math · Place value, Addition, Subtraction, Rounding, Missing addends · Reading level grades 3-4

Detective: _____ **Date:** _____

Right before the championship game, the trophy vanished from the locker room showcase! The court security team found five clue pads near the scoreboard. Solve the math problems to unlock each clue and catch the culprit before tip-off!

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.

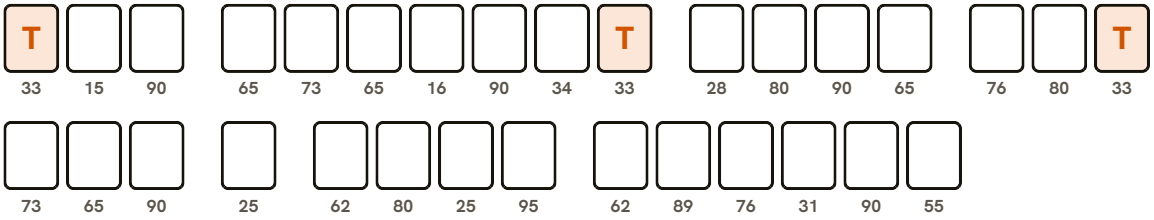
NAME	SIGNATURE MOVE	GEAR ITEM	WRISTBAND SIDE	HAIR STYLE	DISTINGUISHING TRAIT
Michael Jordan	three point swish	golden whistle	right wristband	braided locs	noisy keychain
Sabrina Ionescu	three point swish	high top kicks	right wristband	high top fade	noisy keychain
Maya Moore	sky hook shot	grippy gloves	right wristband	braided locs	noisy keychain
Kobe Bryant	crossover dribble	foam finger	left wristband	high top fade	noisy keychain
Kevin Durant	slam dunk	neon headband	left wristband	high top fade	noisy keychain
Giannis Antetokounmpo	crossover dribble	high top kicks	left wristband	high top fade	bright laces
Aja Wilson	sky hook shot	foam finger	left wristband	high top fade	squeaky shoes
Luka Doncic	crossover dribble	grippy gloves	left wristband	high top fade	noisy keychain
Candace Parker	slam dunk	foam finger	right wristband	buzz cut	squeaky shoes
Diana Taurasi	slam dunk	foam finger	right wristband	high top fade	squeaky shoes
Nikola Jokic	no look pass	foam finger	right wristband	braided locs	noisy keychain
Damian Lillard	three point swish	golden whistle	right wristband	buzz cut	bright laces
Breanna Stewart	sky hook shot	grippy gloves	left wristband	braided locs	noisy keychain
LeBron James	three point swish	neon headband	left wristband	high top fade	noisy keychain
Tim Duncan	crossover dribble	foam finger	right wristband	high top fade	bright laces
Anthony Edwards	no look pass	neon headband	right wristband	high top fade	noisy keychain
Devin Booker	three point swish	grippy gloves	left wristband	high top fade	noisy keychain
Jayson Tatum	slam dunk	grippy gloves	left wristband	braided locs	squeaky shoes
Sue Bird	no look pass	foam finger	left wristband	high top fade	bright laces
Angel Reese	three point swish	high top kicks	right wristband	buzz cut	squeaky shoes
Dirk Nowitzki	three point swish	foam finger	right wristband	buzz cut	bright laces

make your own at mathcrackers.com

CLUE 1 Place value

The stat tracker shows digits for tens and ones from the arena entrance code.

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



What number has 3 tens and 3 ones? ☐ → T

What number has 7 tens and 6 ones? ☐ → N

What number has 1 ten and 6 ones? ☐ → P

What number has 9 tens and 5 ones? ☐ → M

What number has 8 tens and 0 ones? ☐ → O

What number has 3 tens and 4 ones? ☐ → C

What number has 2 tens and 8 ones? ☐ → D

What number has 6 tens and 5 ones? ☐ → S

What number has 1 ten and 5 ones? ☐ → H

What number has 6 tens and 2 ones? ☐ → F

What number has 8 tens and 9 ones? ☐ → I

What number has 9 tens and 0 ones? ☐ → E

What number has 3 tens and 1 one? ☐ → G

What number has 5 tens and 5 ones? ☐ → R

What number has 7 tens and 3 ones? ☐ → U

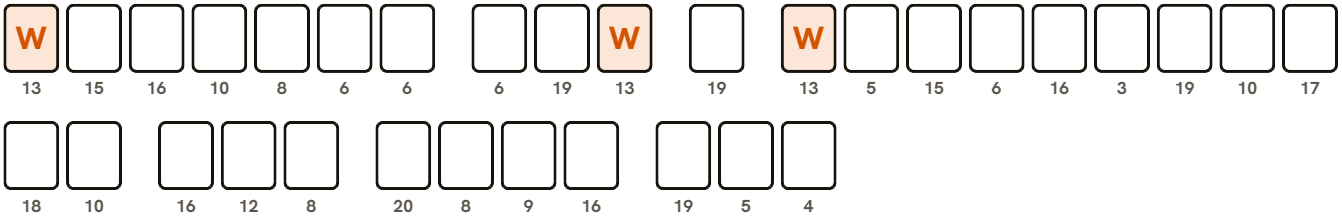
What number has 2 tens and 5 ones? ☐ → A

Scratch space:

CLUE 2 Addition

> Coach counted up all the practice basketballs gathered from both halves of the court.

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



9 + 4 = ☐ → W

1 + 4 = ☐ → R

14 + 5 = ☐ → A

8 + 10 = ☐ → O

10 + 5 = ☐ → I

5 + 12 = ☐ → D

2 + 2 = ☐ → M

3 + 3 = ☐ → S

3 + 5 = ☐ → E

7 + 3 = ☐ → N

13 + 7 = ☐ → L

10 + 6 = ☐ → T

3 + 9 = ☐ → H

2 + 1 = ☐ → B

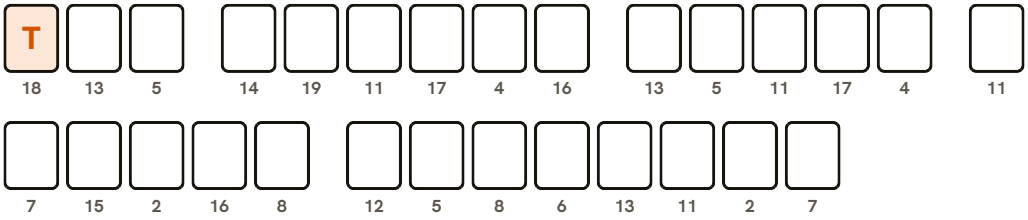
5 + 4 = ☐ → F

Scratch space:

CLUE 3 Subtraction

> The court manager checked how many towels were left after handing some to the team.

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



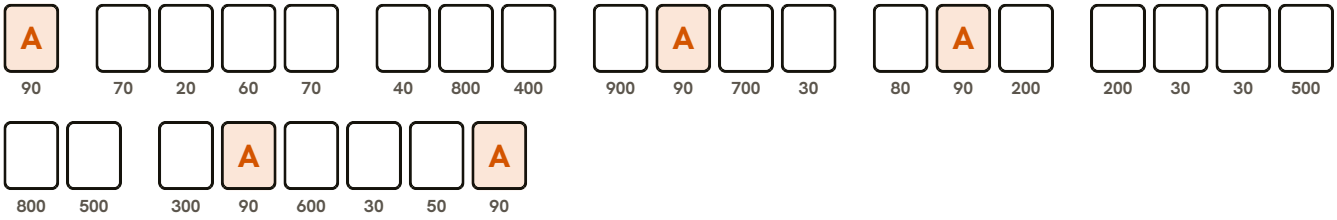
19 - 1 = ☐ → T	20 - 5 = ☐ → O	18 - 1 = ☐ → R	
12 - 8 = ☐ → D	16 - 3 = ☐ → H	18 - 7 = ☐ → A	
15 - 9 = ☐ → C	17 - 5 = ☐ → K	20 - 1 = ☐ → U	6 - 1 = ☐ → E
18 - 2 = ☐ → S	17 - 3 = ☐ → G	10 - 8 = ☐ → I	8 - 1 = ☐ → N
10 - 2 = ☐ → Y			

Scratch space:

CLUE 4 Rounding

The giant scoreboard display rounds the attendance number to the nearest ten.

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



Round 89 to the nearest ten ☐ → A

Round 24 to the nearest ten ☐ → I

Round 713 to the nearest hundred ☐ → D

Round 757 to the nearest hundred ☐ → O

Round 81 to the nearest ten ☐ → W

Round 206 to the nearest hundred ☐ → S

Round 57 to the nearest ten ☐ → G

Round 44 to the nearest ten ☐ → T

Round 34 to the nearest ten ☐ → E

Round 915 to the nearest hundred ☐ → F

Round 293 to the nearest hundred ☐ → C

Round 422 to the nearest hundred ☐ → P

Round 67 to the nearest ten ☐ → H

Round 48 to the nearest ten ☐ → R

Round 614 to the nearest hundred ☐ → M

Round 524 to the nearest hundred ☐ → N

Scratch space:

CLUE 5 Missing addends - the last clue

> The equipment box was missing a few whistles so we solved the mystery gap to open it.

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:

8 + ___ = 20 ☐	8 + ___ = 12 ☐	6 + ___ = 14 ☐	3 + ___ = 9 ☐
4 + ___ = 15 ☐	4 + ___ = 9 ☐	5 + ___ = 12 ☐	3 + ___ = 13 ☐
6 + ___ = 8 ☐	1 + ___ = 10 ☐	1 + ___ = 2 ☐	

Step 2 - cross out the sentence with each answer:

1. The villain launched a sky hook shot, then waved a foam finger.
2. The villain launched a sky hook shot, then blew the golden whistle.
3. The villain executed a crossover dribble, then pulled on grippy gloves.
4. The villain threw down a slam dunk, then adjusted a neon headband.
5. The villain swished a three point shot, then blew the golden whistle.
6. The villain executed a crossover dribble, then laced up high top kicks.
7. The villain threw down a slam dunk, then laced up high top kicks.
8. The villain swished a three point shot, then adjusted a neon headband.
9. The villain dished a no look pass, then pulled on grippy gloves.
10. The villain launched a sky hook shot, then pulled on grippy gloves.
11. The villain threw down a slam dunk, then pulled on grippy gloves.
12. The villain swished a three point shot, then pulled on grippy gloves.

TEACHER / PARENT

Answer Key

The Case of the Missing Championship Trophy

Culprit: Luka Doncic

crossover dribble · grippy gloves · left wristband · high top fade · noisy keychain

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

Clue 1 (Place value): "THE SUSPECT DOES NOT USE A FOAM FINGER"

What number has 3 tens and 3 ones? = 33 (T) · What number has 7 tens and 6 ones? = 76 (N) · What number has 1 ten and 6 ones? = 16 (P) · What number has 9 tens and 5 ones? = 95 (M) · What number has 8 tens and 0 ones? = 80 (O) · What number has 3 tens and 4 ones? = 34 (C) · What number has 2 tens and 8 ones? = 28 (D) · What number has 6 tens and 5 ones? = 65 (S) · What number has 1 ten and 5 ones? = 15 (H) · What number has 6 tens and 2 ones? = 62 (F) · What number has 8 tens and 9 ones? = 89 (I) · What number has 9 tens and 0 ones? = 90 (E) · What number has 3 tens and 1 one? = 31 (G) · What number has 5 tens and 5 ones? = 55 (R) · What number has 7 tens and 3 ones? = 73 (U) · What number has 2 tens and 5 ones? = 25 (A)

Clue 2 (Addition): "WITNESS SAW A WRISTBAND ON THE LEFT ARM"

9 + 4 = 13 (W) · 1 + 4 = 5 (R) · 14 + 5 = 19 (A) · 8 + 10 = 18 (O) · 10 + 5 = 15 (I) · 5 + 12 = 17 (D) · 2 + 2 = 4 (M) · 3 + 3 = 6 (S) · 3 + 5 = 8 (E) · 7 + 3 = 10 (N) · 13 + 7 = 20 (L) · 10 + 6 = 16 (T) · 3 + 9 = 12 (H) · 2 + 1 = 3 (B) · 5 + 4 = 9 (F)

Clue 3 (Subtraction): "THE GUARDS HEARD A NOISY KEYCHAIN"

19 - 1 = 18 (T) · 20 - 5 = 15 (O) · 18 - 1 = 17 (R) · 12 - 8 = 4 (D) · 16 - 3 = 13 (H) · 18 - 7 = 11 (A) · 15 - 9 = 6 (C) · 17 - 5 = 12 (K) · 20 - 1 = 19 (U) · 6 - 1 = 5 (E) · 18 - 2 = 16 (S) · 17 - 3 = 14 (G) · 10 - 8 = 2 (I) · 8 - 1 = 7 (N) · 10 - 2 = 8 (Y)

Clue 4 (Rounding): "A HIGH TOP FADE WAS SEEN ON CAMERA"

Round 89 to the nearest ten = 90 (A) · Round 24 to the nearest ten = 20 (I) · Round 713 to the nearest hundred = 700 (D) · Round 757 to the nearest hundred = 800 (O) · Round 81 to the nearest ten = 80 (W) · Round 206 to the nearest hundred = 200 (S) · Round 57 to the nearest ten = 60 (G) · Round 44 to the nearest ten = 40 (T) · Round 34 to the nearest ten = 30 (E) · Round 915 to the nearest hundred = 900 (F) · Round 293 to the nearest hundred = 300 (C) · Round 422 to the nearest hundred = 400 (P) · Round 67 to the nearest ten = 70 (H) · Round 48 to the nearest ten = 50 (R) · Round 614 to the nearest hundred = 600 (M) · Round 524 to the nearest hundred = 500 (N)

Clue 5 (Missing addends): surviving statement is box 3 → Luka Doncic

8 + ___ = 20 = 12 · 8 + ___ = 12 = 4 · 6 + ___ = 14 = 8 · 3 + ___ = 9 = 6 · 4 + ___ = 15 = 11 · 4 + ___ = 9 = 5 · 5 + ___ = 12 = 7 · 3 + ___ = 13 = 10 · 6 + ___ = 8 = 2 · 1 + ___ = 10 = 9 · 1 + ___ = 2 = 1