The Case of the Missing Championship Trophy

Grade 1 math · Place value, Addition, Subtraction, Rounding, Missing addends · Reading level grades 1-2

Detective: _____ **Date:** _____

Someone took the shiny championship trophy right before the big game! The head coach needs your help to check the court and find out which player did it.

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 hoop bandit is _____

Possible suspects

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

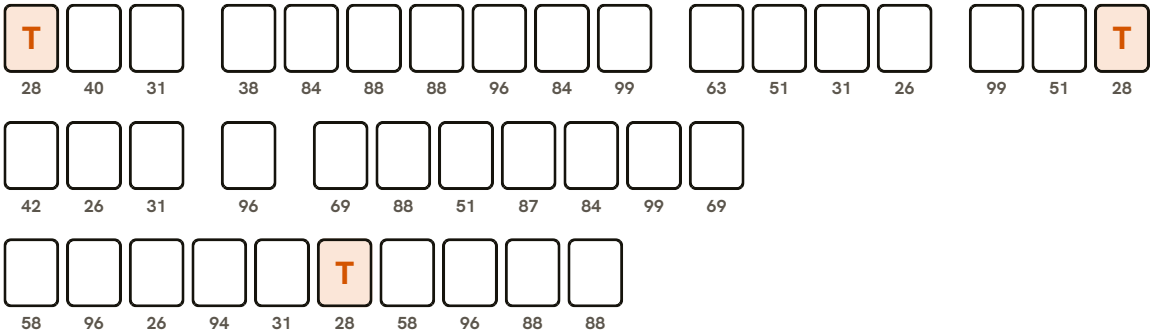
NAME	SIGNATURE MOVE	COURT GEAR	SHOOTING STYLE	HAIRSTYLE	DISTRACTION
Damian Lillard	no look pass	glowing basketball	left handed shooter	curly afro	squeaky floors
Magic Johnson	halfcourt shot	wristbands	right handed shooter	dreadlocks	shiny trophies
Reggie Miller	no look pass	wristbands	right handed shooter	curly afro	loud whistles
Kyrie Irving	crossover dribble	neon headband	right handed shooter	dreadlocks	shiny trophies
LeBron James	crossover dribble	padded sleeves	right handed shooter	curly afro	loud whistles
Dirk Nowitzki	halfcourt shot	padded sleeves	right handed shooter	curly afro	shiny trophies
Luka Doncic	alley oop	wristbands	right handed shooter	dreadlocks	squeaky floors
Chris Paul	crossover dribble	glowing basketball	right handed shooter	buzz cut	shiny trophies
Kevin Durant	slam dunk	wristbands	right handed shooter	curly afro	shiny trophies
Larry Bird	crossover dribble	padded sleeves	right handed shooter	curly afro	squeaky floors
Dwyane Wade	slam dunk	padded sleeves	right handed shooter	curly afro	shiny trophies
Steph Curry	halfcourt shot	wristbands	left handed shooter	curly afro	loud whistles
Jason Kidd	crossover dribble	wristbands	left handed shooter	dreadlocks	squeaky floors
Allen Iverson	alley oop	glowing basketball	right handed shooter	curly afro	shiny trophies
Michael Jordan	crossover dribble	padded sleeves	left handed shooter	curly afro	shiny trophies
Vince Carter	no look pass	wristbands	right handed shooter	dreadlocks	loud whistles
Nikola Jokic	halfcourt shot	neon headband	right handed shooter	dreadlocks	squeaky floors
Ray Allen	no look pass	wristbands	right handed shooter	curly afro	shiny trophies
Giannis Antetokounmpo	slam dunk	padded sleeves	left handed shooter	curly afro	loud whistles
Steve Nash	crossover dribble	neon headband	right handed shooter	buzz cut	squeaky floors
Charles Barkley	no look pass	neon headband	left handed shooter	dreadlocks	loud whistles

make your own at mathcrackers.com

CLUE 1 Place value

The coach checks the digital scoreboard digits to decode clue one.

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



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

What number has 8 tens and 8 ones? ☐ → L

What number has 9 tens and 4 ones? ☐ → K

What number has 9 tens and 6 ones? ☐ → A

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

What number has 8 tens and 4 ones? ☐ → I

What number has 4 tens and 2 ones? ☐ → U

What number has 6 tens and 9 ones? ☐ → G

What number has 8 tens and 7 ones? ☐ → W

What number has 4 tens and 0 ones? ☐ → H

What number has 6 tens and 3 ones? ☐ → D

What number has 5 tens and 1 one? ☐ → O

What number has 5 tens and 8 ones? ☐ → B

What number has 9 tens and 9 ones? ☐ → N

What number has 3 tens and 8 ones? ☐ → V

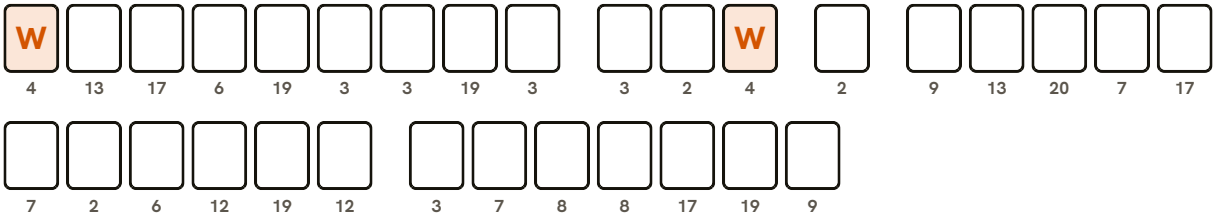
What number has 2 tens and 6 ones? ☐ → S

Scratch space:

CLUE 2 Addition

We add up all the basketballs in the gym racks to find clue two.

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



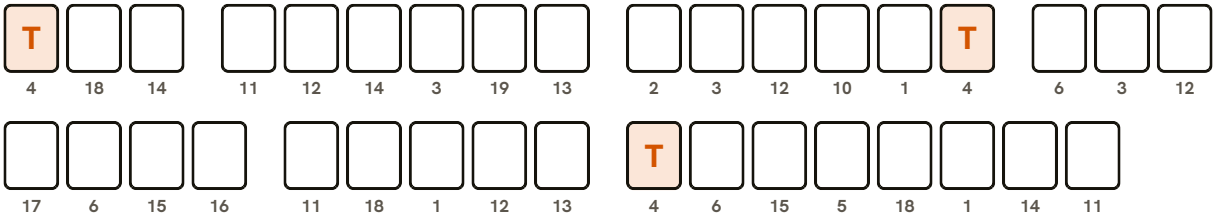
1 + 3 = ☐ → W	13 + 7 = ☐ → G	2 + 6 = ☐ → O	3 + 3 = ☐ → N
1 + 1 = ☐ → A	5 + 7 = ☐ → D	10 + 7 = ☐ → T	2 + 1 = ☐ → S
4 + 3 = ☐ → H	3 + 6 = ☐ → R	8 + 11 = ☐ → E	
3 + 10 = ☐ → I			

Scratch space:

CLUE 3 Subtraction

We count down the remaining training cones on the court for clue three.

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



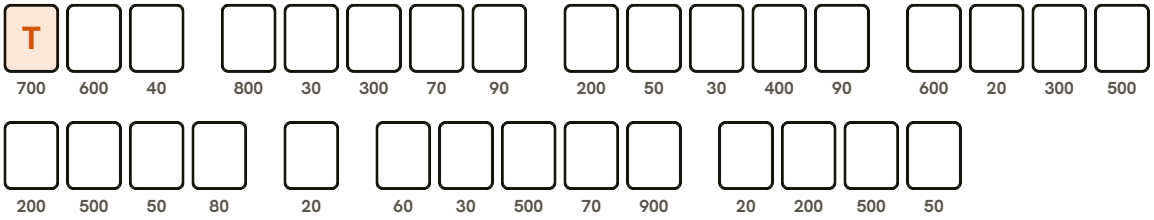
9 - 5 = ☐ → T	16 - 1 = ☐ → O	20 - 8 = ☐ → N	3 - 2 = ☐ → I
18 - 4 = ☐ → E	9 - 4 = ☐ → P	15 - 2 = ☐ → Y	20 - 4 = ☐ → M
14 - 4 = ☐ → D	11 - 5 = ☐ → R	16 - 5 = ☐ → S	
19 - 1 = ☐ → H	9 - 7 = ☐ → B	20 - 1 = ☐ → K	18 - 1 = ☐ → F
11 - 8 = ☐ → A			

Scratch space:

CLUE 4 Rounding

The stadium screen rounds the total crowd cheer score for clue four.

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



Round 705 to the nearest hundred ☐ → T

Round 58 to the nearest ten ☐ → C

Round 232 to the nearest hundred ☐ → F

Round 51 to the nearest ten ☐ → O

Round 70 to the nearest ten ☐ → L

Round 308 to the nearest hundred ☐ → I

Round 31 to the nearest ten ☐ → U

Round 810 to the nearest hundred ☐ → G

Round 37 to the nearest ten ☐ → E

Round 81 to the nearest ten ☐ → M

Round 20 to the nearest ten ☐ → A

Round 89 to the nearest ten ☐ → D

Round 377 to the nearest hundred ☐ → N

Round 491 to the nearest hundred ☐ → R

Round 554 to the nearest hundred ☐ → H

Round 880 to the nearest hundred ☐ → Y

Scratch space:

CLUE 5 Missing addends - the last clue

We solve the missing practice drills on the playbook board for clue five.

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:

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

Step 2 - cross out the sentence with each answer:

1. The villain sank a halfcourt shot through the hoop, then squeaked shiny sneakers.
2. The villain fooled the guard with a no look pass, then adjusted bright wristbands.
3. The villain fooled the guard with a no look pass, then pulled up padded sleeves.
4. The villain threw a high alley oop over defenders, then bounced a glowing basketball.
5. The villain scuffed the court with a crossover dribble, then adjusted bright wristbands.
6. The villain rattled the rim with a slam dunk, then adjusted bright wristbands.
7. The villain scuffed the court with a crossover dribble, then squeaked shiny sneakers.
8. The villain sank a halfcourt shot through the hoop, then pulled up padded sleeves.
9. The villain rattled the rim with a slam dunk, then pulled up padded sleeves.
10. The villain fooled the guard with a no look pass, then bounced a glowing basketball.
11. The villain fooled the guard with a no look pass, then squeaked shiny sneakers.
12. The villain threw a high alley oop over defenders, then flashed a neon headband.

TEACHER / PARENT

Answer Key

The Case of the Missing Championship Trophy

Culprit: Ray Allen

no look pass · wristbands · right handed shooter · curly afro · shiny trophies

Trail: Start 21 → Clue 1 18 → Clue 2 13 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Place value): "THE VILLAIN DOES NOT USE A GLOWING BASKETBALL"

What number has 2 tens and 8 ones? = 28 (T) · What number has 8 tens and 8 ones? = 88 (L) · What number has 9 tens and 4 ones? = 94 (K) · What number has 9 tens and 6 ones? = 96 (A) · What number has 3 tens and 1 one? = 31 (E) · What number has 8 tens and 4 ones? = 84 (I) · What number has 4 tens and 2 ones? = 42 (U) · What number has 6 tens and 9 ones? = 69 (G) · What number has 8 tens and 7 ones? = 87 (W) · What number has 4 tens and 0 ones? = 40 (H) · What number has 6 tens and 3 ones? = 63 (D) · What number has 5 tens and 1 one? = 51 (O) · What number has 5 tens and 8 ones? = 58 (B) · What number has 9 tens and 9 ones? = 99 (N) · What number has 3 tens and 8 ones? = 38 (V) · What number has 2 tens and 6 ones? = 26 (S)

Clue 2 (Addition): "WITNESSES SAW A RIGHT HANDED SHOOTER"

1 + 3 = 4 (W) · 13 + 7 = 20 (G) · 2 + 6 = 8 (O) · 3 + 3 = 6 (N) · 1 + 1 = 2 (A) · 5 + 7 = 12 (D) · 10 + 7 = 17 (T) · 2 + 1 = 3 (S) · 4 + 3 = 7 (H) · 3 + 6 = 9 (R) · 8 + 11 = 19 (E) · 3 + 10 = 13 (I)

Clue 3 (Subtraction): "THE SNEAKY BANDIT RAN FROM SHINY TROPHIES"

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

Clue 4 (Rounding): "THE GUILD FOUND HAIR FROM A CURLY AFRO"

Round 705 to the nearest hundred = 700 (T) · Round 58 to the nearest ten = 60 (C) · Round 232 to the nearest hundred = 200 (F) · Round 51 to the nearest ten = 50 (O) · Round 70 to the nearest ten = 70 (L) · Round 308 to the nearest hundred = 300 (I) · Round 31 to the nearest ten = 30 (U) · Round 810 to the nearest hundred = 800 (G) · Round 37 to the nearest ten = 40 (E) · Round 81 to the nearest ten = 80 (M) · Round 20 to the nearest ten = 20 (A) · Round 89 to the nearest ten = 90 (D) · Round 377 to the nearest hundred = 400 (N) · Round 491 to the nearest hundred = 500 (R) · Round 554 to the nearest hundred = 600 (H) · Round 880 to the nearest hundred = 900 (Y)

Clue 5 (Missing addends): surviving statement is box 2 → Ray Allen

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