The Great Hoops Heist

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

Detective: _____ **Date:** _____

Someone snuck into the gym and took the championship basketball right before the big game! Use your detective skills and solve the math clues to catch the thief.

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 sneaker 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 SHOT	LUCKY GEAR	SHOOTING HAND	HEADBAND COLOR	FAVORITE SNACK
Jimmy Butler	Sky Hook	Glow Wristband	Left Handed	Blue Headband	Orange Slice
Ja Morant	Three Pointer	Neon Sneakers	Left Handed	Red Headband	Pretzel Bite
DeMar DeRozan	Fadeaway	Gold Whistle	Left Handed	Blue Headband	Pretzel Bite
Damian Lillard	Slam Dunk	Striped Towel	Right Handed	Gold Headband	Orange Slice
Kawhi Leonard	Slam Dunk	Striped Towel	Left Handed	Red Headband	Orange Slice
Zion Williamson	Crossover	Gold Whistle	Left Handed	Gold Headband	Granola Bar
Kyrie Irving	Fadeaway	Glow Wristband	Left Handed	Red Headband	Orange Slice
Jayson Tatum	Fadeaway	Neon Sneakers	Left Handed	Red Headband	Orange Slice
Paul George	Fadeaway	Glow Wristband	Left Handed	Blue Headband	Orange Slice
Nikola Jokic	Sky Hook	Neon Sneakers	Left Handed	Blue Headband	Pretzel Bite
Anthony Davis	Three Pointer	Lucky Socks	Left Handed	Red Headband	Orange Slice
Domantas Sabonis	Sky Hook	Striped Towel	Right Handed	Red Headband	Orange Slice
Chris Paul	Crossover	Striped Towel	Left Handed	Red Headband	Orange Slice
Klay Thompson	Sky Hook	Striped Towel	Left Handed	Blue Headband	Orange Slice
Shai Gilgeous	Sky Hook	Gold Whistle	Left Handed	Blue Headband	Granola Bar
Bam Adebayo	Sky Hook	Glow Wristband	Left Handed	Gold Headband	Pretzel Bite
Devin Booker	Fadeaway	Lucky Socks	Left Handed	Blue Headband	Pretzel Bite
Kevin Durant	Three Pointer	Neon Sneakers	Right Handed	Blue Headband	Pretzel Bite
Steph Curry	Slam Dunk	Striped Towel	Right Handed	Gold Headband	Pretzel Bite
Trae Young	Crossover	Lucky Socks	Left Handed	Blue Headband	Granola Bar
LeBron James	Sky Hook	Glow Wristband	Left Handed	Gold Headband	Granola Bar

CLUE 1 Place value

Coach Miller looks at the tens and ones on the locker room scoreboard to find the first clue.

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

T																	T		
14	44	21	90	38	72	72	68	38	39	20	89	21	19	39	89	14			
32	21	68	24	72	17	13	78	55	19	89	13	78	19						

What number has 1 ten and 4 ones? ☐ → T

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

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

What number has 1 ten and 7 ones? ☐ → U

What number has 2 tens and 1 one? ☐ → E

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

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

What number has 6 tens and 8 ones? ☐ → A

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

What number has 3 tens and 2 ones? ☐ → W

What number has 2 tens and 0 ones? ☐ → D

What number has 1 ten and 9 ones? ☐ → S

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

What number has 1 ten and 3 ones? ☐ → C

What number has 7 tens and 2 ones? ☐ → L

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

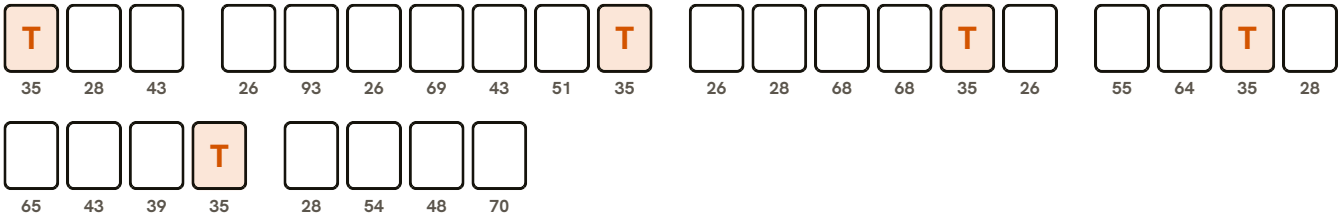
What number has 3 tens and 9 ones? ☐ → N

Scratch space:

CLUE 2 Addition

Detective Sam adds up all the practice balls on the court to uncover the second clue.

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



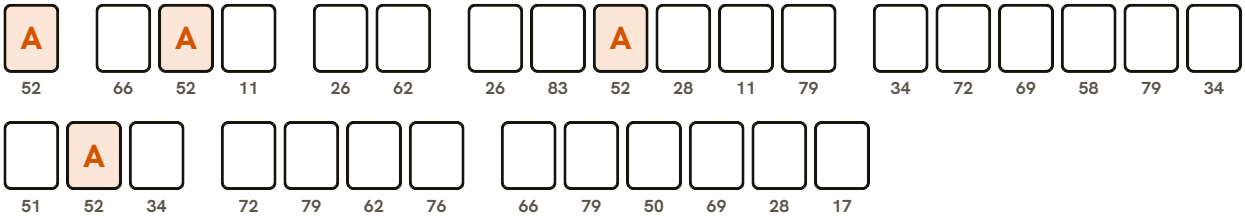
20 + 15 = ☐ → T	21 + 22 = ☐ → E	38 + 16 = ☐ → A
34 + 36 = ☐ → D	20 + 45 = ☐ → L	30 + 38 = ☐ → O
47 + 46 = ☐ → U	10 + 18 = ☐ → H	35 + 29 = ☐ → I
27 + 42 = ☐ → P	27 + 21 = ☐ → N	23 + 32 = ☐ → W
24 + 27 = ☐ → C	12 + 14 = ☐ → S	14 + 25 = ☐ → F

Scratch space:

CLUE 3 Subtraction

Detective Sam subtracts the missing water bottles from the rack to reveal the third hint.

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



67 - 15 = ☐ → A

91 - 12 = ☐ → E

87 - 11 = ☐ → T

47 - 36 = ☐ → G

88 - 5 = ☐ → R

89 - 23 = ☐ → B

106 - 37 = ☐ → I

109 - 37 = ☐ → L

51 - 34 = ☐ → D

86 - 36 = ☐ → H

100 - 38 = ☐ → F

69 - 11 = ☐ → C

60 - 32 = ☐ → N

74 - 23 = ☐ → W

69 - 35 = ☐ → S

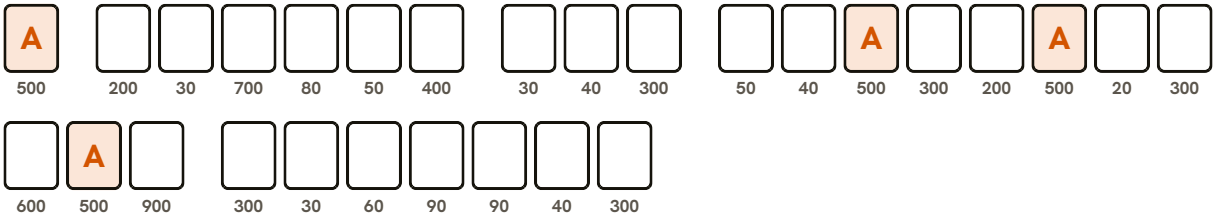
28 - 2 = ☐ → O

Scratch space:

CLUE 4 Rounding

The big gym clock rounds to the nearest ten and unlocks the fourth clue.

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



Round 526 to the nearest hundred ☐ → A

Round 94 to the nearest ten ☐ → P

Round 182 to the nearest hundred ☐ → B

Round 16 to the nearest ten ☐ → N

Round 62 to the nearest ten ☐ → O

Round 663 to the nearest hundred ☐ → I

Round 386 to the nearest hundred ☐ → T

Round 935 to the nearest hundred ☐ → S

Round 54 to the nearest ten ☐ → H

Round 42 to the nearest ten ☐ → E

Round 266 to the nearest hundred ☐ → D

Round 28 to the nearest ten ☐ → R

Round 581 to the nearest hundred ☐ → W

Round 84 to the nearest ten ☐ → G

Scratch space:

CLUE 5 Missing addends - the last clue

Coach Miller finds the missing number of jerseys needed to solve 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:

7 + ___ = 8 ☐	5 + ___ = 12 ☐	3 + ___ = 9 ☐	9 + ___ = 20 ☐
2 + ___ = 12 ☐	3 + ___ = 11 ☐	7 + ___ = 10 ☐	2 + ___ = 14 ☐
10 + ___ = 19 ☐	10 + ___ = 14 ☐	4 + ___ = 6 ☐	

Step 2 - cross out the sentence with each answer:

1. The villain dunked the ball hard, then grabbed a striped towel.
2. The villain did a fast crossover, then pulled up lucky socks.
3. The villain scored with a sky hook, then adjusted a glow wristband.
4. The villain dunked the ball hard, then pulled up lucky socks.
5. The villain hit a smooth fadeaway, then adjusted a glow wristband.
6. The villain hit a smooth fadeaway, then laced up neon sneakers.
7. The villain did a fast crossover, then grabbed a striped towel.
8. The villain hit a smooth fadeaway, then pulled up lucky socks.
9. The villain dunked the ball hard, then laced up neon sneakers.
10. The villain drained a three pointer, then laced up neon sneakers.
11. The villain did a fast crossover, then laced up neon sneakers.
12. The villain did a fast crossover, then adjusted a glow wristband.

TEACHER / PARENT

Answer Key

The Great Hoops Heist

Culprit: Kyrie Irving

Fadeaway · Glow Wristband · Left Handed · Red Headband · Orange Slice

Trail: Start 21 → Clue 1 18 → Clue 2 14 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Place value): "THE VILLAIN DOES NOT WEAR LUCKY SOCKS"

What number has 1 ten and 4 ones? = 14 (T) · What number has 4 tens and 4 ones? = 44 (H) · What number has 8 tens and 9 ones? = 89 (O) · What number has 1 ten and 7 ones? = 17 (U) · What number has 2 tens and 1 one? = 21 (E) · What number has 5 tens and 5 ones? = 55 (Y) · What number has 2 tens and 4 ones? = 24 (R) · What number has 6 tens and 8 ones? = 68 (A) · What number has 7 tens and 8 ones? = 78 (K) · What number has 3 tens and 2 ones? = 32 (W) · What number has 2 tens and 0 ones? = 20 (D) · What number has 1 ten and 9 ones? = 19 (S) · What number has 9 tens and 0 ones? = 90 (V) · What number has 1 ten and 3 ones? = 13 (C) · What number has 7 tens and 2 ones? = 72 (L) · What number has 3 tens and 8 ones? = 38 (I) · What number has 3 tens and 9 ones? = 39 (N)

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

20 + 15 = 35 (T) · 21 + 22 = 43 (E) · 38 + 16 = 54 (A) · 34 + 36 = 70 (D) · 20 + 45 = 65 (L) · 30 + 38 = 68 (O) · 47 + 46 = 93 (U) · 10 + 18 = 28 (H) · 35 + 29 = 64 (I) · 27 + 42 = 69 (P) · 27 + 21 = 48 (N) · 23 + 32 = 55 (W) · 24 + 27 = 51 (C) · 12 + 14 = 26 (S) · 14 + 25 = 39 (F)

Clue 3 (Subtraction): "A BAG OF ORANGE SLICES WAS LEFT BEHIND"

67 - 15 = 52 (A) · 91 - 12 = 79 (E) · 87 - 11 = 76 (T) · 47 - 36 = 11 (G) · 88 - 5 = 83 (R) · 89 - 23 = 66 (B) · 106 - 37 = 69 (I) · 109 - 37 = 72 (L) · 51 - 34 = 17 (D) · 86 - 36 = 50 (H) · 100 - 38 = 62 (F) · 69 - 11 = 58 (C) · 60 - 32 = 28 (N) · 74 - 23 = 51 (W) · 69 - 35 = 34 (S) · 28 - 2 = 26 (O)

Clue 4 (Rounding): "A BRIGHT RED HEADBAND WAS DROPPED"

Round 526 to the nearest hundred = 500 (A) · Round 94 to the nearest ten = 90 (P) · Round 182 to the nearest hundred = 200 (B) · Round 16 to the nearest ten = 20 (N) · Round 62 to the nearest ten = 60 (O) · Round 663 to the nearest hundred = 700 (I) · Round 386 to the nearest hundred = 400 (T) · Round 935 to the nearest hundred = 900 (S) · Round 54 to the nearest ten = 50 (H) · Round 42 to the nearest ten = 40 (E) · Round 266 to the nearest hundred = 300 (D) · Round 28 to the nearest ten = 30 (R) · Round 581 to the nearest hundred = 600 (W) · Round 84 to the nearest ten = 80 (G)

Clue 5 (Missing addends): surviving statement is box 5 → Kyrie Irving

7 + ___ = 8 = 1 · 5 + ___ = 12 = 7 · 3 + ___ = 9 = 6 · 9 + ___ = 20 = 11 · 2 + ___ = 12 = 10 · 3 + ___ = 11 = 8 · 7 + ___ = 10 = 3 · 2 + ___ = 14 = 12 · 10 + ___ = 19 = 9 · 10 + ___ = 14 = 4 · 4 + ___ = 6 = 2