



The Championship Trophy Caper

Grade 2 math · Place value, Addition, Subtraction, Skip counting, Division · Reading level grades 1-2

Detective: _____ Date: _____

Someone took the shiny championship trophy right off the scorer bench during halftime. The detective needs your help to check clues and find out who took 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 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	LUCKY GEAR	DOMINANT HAND	HAIRSTYLE	GIVEAWAY SIGN
Zion	Fast Break	Neon Laces	Right Handed	Curly Hair	Bouncing Ball
Sabrina	Halfcourt Shot	High Top Kicks	Right Handed	Curly Hair	Loud Whistle
Candace	Crossover	High Top Kicks	Right Handed	Curly Hair	Loud Whistle
Jimmy	Sky Hook	Star Headband	Right Handed	Buzz Cut	Loud Whistle
Shaq	Fast Break	High Top Kicks	Left Handed	Curly Hair	Squeaky Shoes
Steph	Crossover	Padded Sleeves	Left Handed	Buzz Cut	Squeaky Shoes
Giannis	Sky Hook	Padded Sleeves	Left Handed	Braided Hair	Squeaky Shoes
Kyrie	Crossover	Gold Whistle	Left Handed	Buzz Cut	Bouncing Ball
Aja	Halfcourt Shot	Star Headband	Left Handed	Curly Hair	Loud Whistle
Breanna	Sky Hook	Neon Laces	Right Handed	Buzz Cut	Squeaky Shoes
Kaitlyn	Fast Break	Neon Laces	Left Handed	Buzz Cut	Loud Whistle
Devin	Crossover	Gold Whistle	Right Handed	Curly Hair	Loud Whistle
Luka	Halfcourt Shot	Padded Sleeves	Right Handed	Curly Hair	Loud Whistle
Nikola	Sky Hook	High Top Kicks	Right Handed	Curly Hair	Squeaky Shoes
Sue	Slam Dunk	Neon Laces	Right Handed	Braided Hair	Squeaky Shoes
Anthony	Crossover	Gold Whistle	Right Handed	Curly Hair	Squeaky Shoes
Paige	Halfcourt Shot	Gold Whistle	Right Handed	Braided Hair	Bouncing Ball
Maya	Halfcourt Shot	Star Headband	Right Handed	Buzz Cut	Squeaky Shoes
Ja	Crossover	Star Headband	Right Handed	Curly Hair	Loud Whistle
Damian	Halfcourt Shot	Star Headband	Right Handed	Braided Hair	Squeaky Shoes
Jayson	Slam Dunk	Star Headband	Left Handed	Curly Hair	Squeaky Shoes

CLUE 1 Place value

Look at the digit in the tens place on the scoreboard to unlock the first clue.

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

T										T									
52	34	71	23	16	71	55	91	85	52	34	63	71	98	30	54	71	23		
		T																	
16	54	52	62	71	55	24	13	55	30	30	71	30	23	64	71	71	26	71	23

What number has 5 tens and 2 ones? → **T**

What number has 6 tens and 3 ones? → **I**

What number has 5 tens and 5 ones? → **A**

What number has 5 tens and 4 ones? → **O**

What number has 1 ten and 3 ones? → **P**

What number has 3 tens and 0 ones? → **D**

What number has 8 tens and 5 ones? → **Y**

What number has 1 ten and 6 ones? → **N**

What number has 9 tens and 1 one? → **K**

What number has 7 tens and 1 one? → **E**

What number has 6 tens and 4 ones? → **L**

What number has 3 tens and 4 ones? → **H**

What number has 2 tens and 3 ones? → **S**

What number has 9 tens and 8 ones? → **F**

What number has 2 tens and 6 ones? → **V**

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

What number has 6 tens and 2 ones? → **W**

Scratch space:

CLUE 2

Addition

Add the practice scores together to find out who was near the gym.

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

T									T								
31	35	79	68	66	68	30	79	38	31	44	36	97	96	96	69	79	44
		T		T									T				
55	97	31	35	31	35	79	97	36	36	97	87	35	31	35	74	65	44

$17 + 14 = \square \rightarrow \boxed{\text{T}}$

$32 + 64 = \square \rightarrow \boxed{\text{B}}$

$55 + 32 = \square \rightarrow \boxed{\text{G}}$

$38 + 17 = \square \rightarrow \boxed{\text{W}}$

$14 + 22 = \square \rightarrow \boxed{\text{R}}$

$38 + 36 = \square \rightarrow \boxed{\text{A}}$

$14 + 30 = \square \rightarrow \boxed{\text{D}}$

$37 + 28 = \square \rightarrow \boxed{\text{N}}$

$64 + 33 = \square \rightarrow \boxed{\text{I}}$

$17 + 18 = \square \rightarrow \boxed{\text{H}}$

$26 + 12 = \square \rightarrow \boxed{\text{C}}$

$25 + 41 = \square \rightarrow \boxed{\text{U}}$

$56 + 23 = \square \rightarrow \boxed{\text{E}}$

$25 + 43 = \square \rightarrow \boxed{\text{S}}$

$17 + 13 = \square \rightarrow \boxed{\text{P}}$

$25 + 44 = \square \rightarrow \boxed{\text{L}}$

Scratch space:

CLUE 3

Subtraction

Subtract the stolen basketballs from the rack count to trace the mystery path.

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

A															
21	75	24	70	43	14	85	64	39	69	75	23	54	75	23	14

		A									
33	23	21	74	69	85	23	15	24	70	74	69

$59 - 38 = \square \rightarrow \boxed{\text{A}}$

$85 - 10 = \square \rightarrow \boxed{\text{L}}$

$96 - 27 = \square \rightarrow \boxed{\text{T}}$

$104 - 19 = \square \rightarrow \boxed{\text{H}}$

$49 - 25 = \square \rightarrow \boxed{\text{O}}$

$65 - 26 = \square \rightarrow \boxed{\text{S}}$

$67 - 3 = \square \rightarrow \boxed{\text{I}}$

$87 - 17 = \square \rightarrow \boxed{\text{U}}$

$55 - 40 = \square \rightarrow \boxed{\text{C}}$

$54 - 31 = \square \rightarrow \boxed{\text{E}}$

$51 - 8 = \square \rightarrow \boxed{\text{D}}$

$92 - 38 = \square \rightarrow \boxed{\text{B}}$

$15 - 1 = \square \rightarrow \boxed{\text{W}}$

$79 - 5 = \square \rightarrow \boxed{\text{R}}$

$62 - 29 = \square \rightarrow \boxed{\text{N}}$

Scratch space:

CLUE 4 Skip counting

Skip count the practice cones down the court to find where the thief stepped.

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

A							A				A						
16	26	8	33	110	14	130	16	50	33	21	16	36	6	27	8	80	140

						A					
70	14	30	130	90	70	16	36	9	90	30	

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, __, 18, 20 → **A**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, __, 35, 40 → **T**

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, __, 75, 80 → **B**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, __, 60, 70 → **I**

Skip-count by 2s. Fill the blank: 2, 4, 6, __, 10, 12 → **U**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, __, 30, 33 → **O**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, __, 28, 30 → **C**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, __, 39, 42 → **S**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, __, 24, 27 → **W**

Skip-count by 3s. Fill the blank: 3, 6, __, 12, 15 → **K**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, __, 16, 18 → **Y**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, __, 150, 160 → **D**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, __, 120, 130 → **L**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, __, 140, 150 → **H**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, __, 36, 39 → **R**

Skip-count by 2s. Fill the blank: 2, 4, __, 8, 10 → **F**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, __, 100, 110 → **E**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, __, 90, 100 → **N**

Scratch space:

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

Divide the team jerseys evenly into stacks to reveal the final answer.

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:

$18 \div 2 = \boxed{}$

$4 \div 1 = \boxed{}$

$60 \div 6 = \boxed{}$

$121 \div 11 = \boxed{}$

$18 \div 3 = \boxed{}$

$42 \div 6 = \boxed{}$

$36 \div 3 = \boxed{}$

$16 \div 8 = \boxed{}$

$88 \div 11 = \boxed{}$

$30 \div 10 = \boxed{}$

$8 \div 8 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain used a sky hook, then laced up neon laces.
2. The villain used a sky hook, then pulled on a star headband.
3. The villain sank a halfcourt shot, then pulled on a star headband.
4. The villain did a crossover, then blew a gold whistle.
5. The villain did a crossover, then adjusted high top kicks.
6. The villain ran a fast break, then blew a gold whistle.
7. The villain made a slam dunk, then put on padded sleeves.
8. The villain sank a halfcourt shot, then laced up neon laces.
9. The villain sank a halfcourt shot, then adjusted high top kicks.
10. The villain did a crossover, then pulled on a star headband.
11. The villain ran a fast break, then put on padded sleeves.
12. The villain used a sky hook, then put on padded sleeves.

Answer Key

The Championship Trophy Caper

Culprit: Candace

Crossover · High Top Kicks · Right Handed · Curly Hair · Loud Whistle

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

Clue 1 (Place value): "THE SNEAKY THIEF DOES NOT WEAR PADDED SLEEVES"

What number has 5 tens and 2 ones? = 52 (T) · What number has 6 tens and 3 ones? = 63 (I) · What number has 5 tens and 5 ones? = 55 (A) · What number has 5 tens and 4 ones? = 54 (O) · What number has 1 ten and 3 ones? = 13 (P) · What number has 3 tens and 0 ones? = 30 (D) · What number has 8 tens and 5 ones? = 85 (Y) · What number has 1 ten and 6 ones? = 16 (N) · What number has 9 tens and 1 one? = 91 (K) · What number has 7 tens and 1 one? = 71 (E) · What number has 6 tens and 4 ones? = 64 (L) · What number has 3 tens and 4 ones? = 34 (H) · What number has 2 tens and 3 ones? = 23 (S) · What number has 9 tens and 8 ones? = 98 (F) · What number has 2 tens and 6 ones? = 26 (V) · What number has 2 tens and 4 ones? = 24 (R) · What number has 6 tens and 2 ones? = 62 (W)

Clue 2 (Addition): "THE SUSPECT DRIBBLED WITH THEIR RIGHT HAND"

$17 + 14 = 31$ (T) · $32 + 64 = 96$ (B) · $55 + 32 = 87$ (G) · $38 + 17 = 55$ (W) · $14 + 22 = 36$ (R) · $38 + 36 = 74$ (A) · $14 + 30 = 44$ (D) · $37 + 28 = 65$ (N) · $64 + 33 = 97$ (I) · $17 + 18 = 35$ (H) · $26 + 12 = 38$ (C) · $25 + 41 = 66$ (U) · $56 + 23 = 79$ (E) · $25 + 43 = 68$ (S) · $17 + 13 = 30$ (P) · $25 + 44 = 69$ (L)

Clue 3 (Subtraction): "A LOUD WHISTLE BLEW NEAR THE COURT"

$59 - 38 = 21$ (A) · $85 - 10 = 75$ (L) · $96 - 27 = 69$ (T) · $104 - 19 = 85$ (H) · $49 - 25 = 24$ (O) · $65 - 26 = 39$ (S) · $67 - 3 = 64$ (I) · $87 - 17 = 70$ (U) · $55 - 40 = 15$ (C) · $54 - 31 = 23$ (E) · $51 - 8 = 43$ (D) · $92 - 38 = 54$ (B) · $15 - 1 = 14$ (W) · $79 - 5 = 74$ (R) · $62 - 29 = 33$ (N)

Clue 4 (Skip counting): "A CURLY HAIR WAS FOUND BY THE BASKET"

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, __, 18, 20 = 16 (A) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, __, 35, 40 = 30 (T) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, __, 75, 80 = 70 (B) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, __, 60, 70 = 50 (I) · Skip-count by 2s. Fill the blank: 2, 4, 6, __, 10, 12 = 8 (U) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, __, 30, 33 = 27 (O) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, __, 28, 30 = 26 (C) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, __, 39, 42 = 36 (S) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, __, 24, 27 = 21 (W) · Skip-count by 3s. Fill the blank: 3, 6, __, 12, 15 = 9 (K) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, __, 16, 18 = 14 (Y) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, 130, __, 150, 160 = 140 (D) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, __, 120, 130 = 110 (L) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, __, 140, 150 = 130 (H) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, __, 36, 39 = 33 (R) · Skip-count by 2s. Fill the blank: 2, 4, __, 8, 10 = 6 (F) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, __, 100, 110 = 90 (E) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, __, 90, 100 = 80 (N)

Clue 5 (Division facts (1-12)): surviving statement is box 5 → Candace

$18 \div 2 = 9$ · $4 \div 1 = 4$ · $60 \div 6 = 10$ · $121 \div 11 = 11$ · $18 \div 3 = 6$ · $42 \div 6 = 7$ · $36 \div 3 = 12$ · $16 \div 8 = 2$ · $88 \div 11 = 8$ · $30 \div 10 = 3$ · $8 \div 8 = 1$