The Championship Trophy Caper

Grade 5 math · Rounding, Skip counting, Word problems, Multi-step word problems, Missing addends · Reading level grades 5-6

Detective: _____ **Date:** _____

Just moments before the championship kickoff at Starlight Stadium, someone snuck into the official's office and swapped the golden tournament trophy with a cheap plastic replica. The culprit left a series of coded stadium logs behind. Use your detective skills to decode the clues and identify the saboteur before game time.

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 Stadium Saboteur is _____

Possible suspects

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

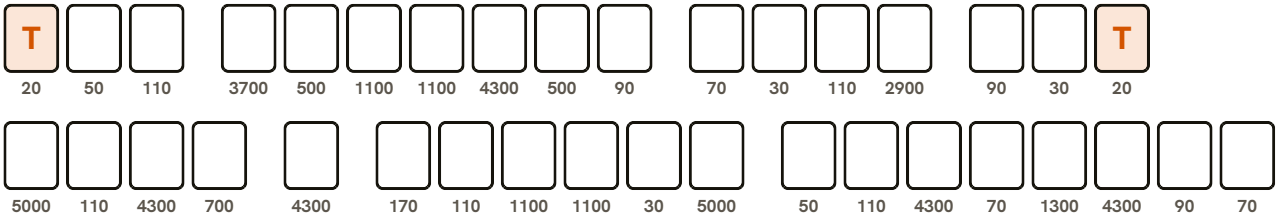
NAME	SIGNATURE MOVE	SIGNATURE GEAR	WRIST ACCESSORY	HAIR STYLE	FIELD DISTRACTION
Rose Lavelle	power volley	padded gloves	left wristband	curly blonde hair	slick muddy grass
Christine Sinclair	chest trap	neon cleats	right wristband	shaved brown hair	slick muddy grass
Aitana Bonmati	bicycle kick	neon cleats	right wristband	shaved brown hair	bright stadium lights
Harry Kane	curved corner	neon cleats	right wristband	shaved brown hair	bright stadium lights
Kevin De Bruyne	stepover dribble	shiny shin guards	right wristband	spiky black hair	slick muddy grass
Trinity Rodman	curved corner	neon cleats	right wristband	shaved brown hair	loud whistle noise
Sophia Smith	curved corner	yellow headband	right wristband	curly blonde hair	slick muddy grass
Alex Morgan	chest trap	shiny shin guards	right wristband	curly blonde hair	loud whistle noise
Son Heung min	stepover dribble	padded gloves	left wristband	shaved brown hair	bright stadium lights
Pedri Gonzalez	curved corner	shiny shin guards	right wristband	shaved brown hair	bright stadium lights
Alexia Putellas	bicycle kick	yellow headband	right wristband	shaved brown hair	bright stadium lights
Luka Modric	chest trap	neon cleats	right wristband	shaved brown hair	loud whistle noise
Bukayo Saka	power volley	yellow headband	right wristband	shaved brown hair	loud whistle noise
Erling Haaland	curved corner	padded gloves	right wristband	curly blonde hair	bright stadium lights
Marcus Rashford	chest trap	ankle tape	right wristband	shaved brown hair	bright stadium lights
Sam Kerr	power volley	ankle tape	left wristband	spiky black hair	loud whistle noise
Kylian Mbappe	bicycle kick	ankle tape	right wristband	shaved brown hair	loud whistle noise
Alphonso Davies	power volley	neon cleats	right wristband	shaved brown hair	slick muddy grass
Jamal Musiala	power volley	padded gloves	right wristband	spiky black hair	slick muddy grass
Mallory Swanson	bicycle kick	yellow headband	left wristband	spiky black hair	slick muddy grass
Megan Rapinoe	chest trap	yellow headband	right wristband	shaved brown hair	bright stadium lights

make your own at mathcrackers.com

CLUE 1 Rounding

The stadium scoreboard display rounds attendance numbers to estimate crowd density near the locker rooms.

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



Round 20 to the nearest ten ☐ → **T**

Round 72 to the nearest ten ☐ → **D**

Round 4,252 to the nearest hundred ☐ → **A**

Round 1,290 to the nearest hundred ☐ → **B**

Round 171 to the nearest ten ☐ → **Y**

Round 49 to the nearest ten ☐ → **H**

Round 656 to the nearest hundred ☐ → **R**

Round 1,053 to the nearest hundred ☐ → **L**

Round 91 to the nearest ten ☐ → **N**

Round 26 to the nearest ten ☐ → **O**

Round 467 to the nearest hundred ☐ → **I**

Round 2,918 to the nearest hundred ☐ → **S**

Round 110 to the nearest ten ☐ → **E**

Round 4,678 to the nearest thousand ☐ → **W**

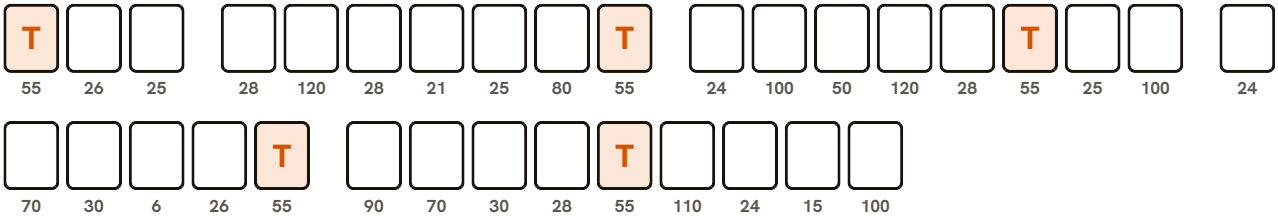
Round 3,718 to the nearest hundred ☐ → **V**

Scratch space:

CLUE 2 Skip counting

The coach inspects rows of training gear laid out in equal sets across the sideline.

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



Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, ___, 60, 65 ☐ → **T**

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

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, ___, 55, 60 ☐ → **J**

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

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

Skip-count by 2s. Fill the blank: 2, 4, ___, 8, 10 ☐ → **G**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, ___, 110, 120 ☐ → **D**

Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, ___, 130, 140 ☐ → **U**

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

Skip-count by 10s. Fill the blank: 10, 20, ___, 40, 50 ☐ → **I**

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

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, ___, 30, 35 ☐ → **E**

Skip-count by 5s. Fill the blank: 5, 10, ___, 20, 25 ☐ → **N**

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, ___, 27, 30 ☐ → **A**

Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, ___, 30, 32 ☐ → **S**

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

Scratch space:

CLUE 3 Word problems

The equipment manager checks inventory logs to see how many supplies were moved before kickoff.

Solve each problem, then write its letter in the boxes to fill in the missing word.

Someone scared the villain off with



The equipment manager lined up 5 rows of 10 training cones. How many training cones in all?

Answer: ☐ → B

There were 115 practice pinnies. 2 were used up. How many practice pinnies are left?

Answer: ☐ → T

The equipment manager found 21 training cones yesterday and 63 more today. How many training cones in all?

Answer: ☐ → I

There were 121 match balls. 28 were used up. How many match balls are left?

Answer: ☐ → G

The equipment manager found 46 match balls yesterday and 39 more today. How many match balls in all?

Answer: ☐ → S

There were 67 water bottles. 3 were used up. How many water bottles are left?

Answer: ☐ → R

The equipment manager found 10 practice pinnies yesterday and 58 more today. How many practice pinnies in all?

Answer: ☐ → H

Scratch space:

CLUE 4 Multi-step word problems

The referee reviews the tournament schedule and ball delivery counts across multiple field zones.

Solve each problem, then write its letter in the boxes to fill in the missing word.

A strand of

S							R	O	W	N			I	R
31	83	13	14	41	63	50					83	13		

hair turned up at the scene.

There were 276 practice pinnies in all. 28 practice pinnies were set aside. The rest were shared equally among 8 Starlight Rovers. How many practice pinnies did each get?

Answer: ☐ → **S**

The equipment manager collected 2 team jerseys in the morning and 162 team jerseys in the afternoon, then split them equally among 4 Starlight Rovers. How many team jerseys did each get?

Answer: ☐ → **E**

There were 371 training cones in all. 1 Starlight Rovers used 39 training cones each. The other 4 Starlight Rovers shared the rest equally. How many training cones did each of the other Starlight Rovers get?

Answer: ☐ → **H**

The equipment manager collected 58 team jerseys in the morning and 26 team jerseys in the afternoon, then split them equally among 6 Starlight Rovers. How many team jerseys did each get?

Answer: ☐ → **V**

The equipment manager collected 29 water bottles in the morning and 49 water bottles in the afternoon, then split them equally among 6 Starlight Rovers. How many water bottles did each get?

Answer: ☐ → **A**

The equipment manager earned 4 match balls in each of 5 rounds, plus 36 bonus match balls. Then 6 match balls were lost. How many match balls are left?

Answer: ☐ → **B**

There were 641 water bottles in all. 11 water bottles were set aside. The rest were shared equally among 10 Starlight Rovers. How many water bottles did each get?

Answer: ☐ → **D**

Scratch space:

CLUE 5 Missing addends - the last clue

> The locker room official counts the jerseys remaining on the rack to figure out how many are missing.

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:

15 + ___ = 27 ☐	28 + ___ = 37 ☐	18 + ___ = 28 ☐	29 + ___ = 35 ☐
5 + ___ = 10 ☐	39 + ___ = 46 ☐	28 + ___ = 36 ☐	11 + ___ = 15 ☐
19 + ___ = 30 ☐	18 + ___ = 21 ☐	30 + ___ = 32 ☐	

Step 2 - cross out the sentence with each answer:

1. The villain scored with a bicycle kick, then laced up neon cleats.
2. The villain scored with a bicycle kick, then adjusted padded gloves.
3. The villain dazzled with a stepover dribble, then strapped on shiny shin guards.
4. The villain dazzled with a stepover dribble, then wrapped fresh ankle tape.
5. The villain curled a corner kick into the net, then pulled on a yellow headband.
6. The villain dazzled with a stepover dribble, then pulled on a yellow headband.
7. The villain fired a power volley, then adjusted padded gloves.
8. The villain controlled the ball with a chest trap, then pulled on a yellow headband.
9. The villain curled a corner kick into the net, then strapped on shiny shin guards.
10. The villain curled a corner kick into the net, then laced up neon cleats.
11. The villain scored with a bicycle kick, then pulled on a yellow headband.
12. The villain controlled the ball with a chest trap, then wrapped fresh ankle tape.

TEACHER / PARENT

Answer Key

The Championship Trophy Caper

Culprit: Aitana Bonmati

bicycle kick · neon cleats · right wristband · shaved brown hair · bright stadium lights

Trail: Start 21 → Clue 1 16 → Clue 2 13 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE VILLAIN DOES NOT WEAR A YELLOW HEADBAND"

Round 20 to the nearest ten = 20 (T) · Round 72 to the nearest ten = 70 (D) · Round 4,252 to the nearest hundred = 4300 (A) · Round 1,290 to the nearest hundred = 1300 (B) · Round 171 to the nearest ten = 170 (Y) · Round 49 to the nearest ten = 50 (H) · Round 656 to the nearest hundred = 700 (R) · Round 1,053 to the nearest hundred = 1100 (L) · Round 91 to the nearest ten = 90 (N) · Round 26 to the nearest ten = 30 (O) · Round 467 to the nearest hundred = 500 (I) · Round 2,918 to the nearest hundred = 2900 (S) · Round 110 to the nearest ten = 110 (E) · Round 4,678 to the nearest thousand = 5000 (W) · Round 3,718 to the nearest hundred = 3700 (V)

Clue 2 (Skip counting): "THE SUSPECT ADJUSTED A RIGHT WRISTBAND"

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, ___, 60, 65 = 55 (T) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, ___, 75, 80 = 70 (R) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, ___, 55, 60 = 50 (J) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, ___, 24, 27 = 21 (P) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, ___, 100, 110 = 90 (W) · Skip-count by 2s. Fill the blank: 2, 4, ___, 8, 10 = 6 (G) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, ___, 110, 120 = 100 (D) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, ___, 130, 140 = 120 (U) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, ___, 120, 130 = 110 (B) · Skip-count by 10s. Fill the blank: 10, 20, ___, 40, 50 = 30 (I) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, ___, 90, 100 = 80 (C) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, ___, 30, 35 = 25 (E) · Skip-count by 5s. Fill the blank: 5, 10, ___, 20, 25 = 15 (N) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, ___, 27, 30 = 24 (A) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, ___, 30, 32 = 28 (S) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, ___, 28, 30 = 26 (H)

Clue 3 (Word problems): "BRIGHT STADIUM LIGHTS"

The equipment manager lined up 5 rows of 10 training cones. How many training cones in all? = 50 (B) · There were 115 practice pinnies. 2 were used up. How many practice pinnies are left? = 113 (T) · The equipment manager found 21 training cones yesterday and 63 more today. How many training cones in all? = 84 (I) · There were 121 match balls. 28 were used up. How many match balls are left? = 93 (G) · The equipment manager found 46 match balls yesterday and 39 more today. How many match balls in all? = 85 (S) · There were 67 water bottles. 3 were used up. How many water bottles are left? = 64 (R) · The equipment manager found 10 practice pinnies yesterday and 58 more today. How many practice pinnies in all? = 68 (H)

Clue 4 (Multi-step word problems): "SHAVED BROWN HAIR"

There were 276 practice pinnies in all. 28 practice pinnies were set aside. The rest were shared equally among 8 Starlight Rovers. How many practice pinnies did each get? = 31 (S) · The equipment manager collected 2 team jerseys in the morning and 162 team jerseys in the afternoon, then split them equally among 4 Starlight Rovers. How many team jerseys did each get? = 41 (E) · There were 371 training cones in all. 1 Starlight Rovers used 39 training cones each. The other 4 Starlight Rovers shared the rest equally. How many training cones did each of the other Starlight Rovers get? = 83 (H) · The equipment manager collected 58 team jerseys in the morning and 26 team jerseys in the afternoon, then split them equally among 6 Starlight Rovers. How many team jerseys did each get? = 14 (V) · The equipment manager collected 29 water bottles in the morning and 49 water bottles in the afternoon, then split them equally among 6 Starlight Rovers. How many water bottles did each get? = 13 (A) · The equipment manager earned 4 match balls in each of 5 rounds, plus 36 bonus match balls. Then 6 match balls were lost. How many match balls are left? = 50 (B) · There were 641 water bottles in all. 11 water bottles were set aside. The rest were shared equally among 10 Starlight Rovers. How many water bottles did each get? = 63 (D)

Clue 5 (Missing addends): surviving statement is box 1 → Aitana Bonmati

15 + ___ = 27 = 12 · 28 + ___ = 37 = 9 · 18 + ___ = 28 = 10 · 29 + ___ = 35 = 6 · 5 + ___ = 10 = 5 · 39 + ___ = 46 = 7 · 28 + ___ = 36 = 8 · 11 + ___ = 15 = 4 · 19 + ___ = 30 = 11 · 18 + ___ = 21 = 3 · 30 + ___ = 32 = 2