The Great Arena Heist

Grade 5 math · Addition, Skip counting, Rounding, Multiplication, Division · Reading level grades 3-4

Detective: _____ **Date:** _____

Right before tip-off at the championship game, someone sneaked into the locker room and stole the Golden Basketball Trophy! Use your math skills to eliminate suspects and find 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 Swiper 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 HAND	HAIR STYLE	SNACK CRAVING
Dame Distance	half court hook	padded headband	left handed shooter	buzz cut	cheesy nachos
Anthony Apex	sky high dunk	high top socks	left handed shooter	curly topfade	salty popcorn
Devin Drive	sky high dunk	padded headband	right handed shooter	braided cornrows	cheesy nachos
Paul Pounce	crossover dribble	tinted visor	right handed shooter	curly topfade	ice cold slushie
Marcus Match	sky high dunk	padded headband	right handed shooter	braided cornrows	ice cold slushie
Tyrese Tempo	half court hook	high top socks	right handed shooter	curly topfade	salty popcorn
Russell Rush	no look pass	neon arm sleeve	left handed shooter	buzz cut	salty popcorn
Kawhi Calm	spin move	padded headband	right handed shooter	curly topfade	salty popcorn
LeBron Dash	crossover dribble	neon arm sleeve	right handed shooter	buzz cut	ice cold slushie
Ja Jumper	sky high dunk	tinted visor	right handed shooter	curly topfade	salty popcorn
Kyrie Swerve	no look pass	tinted visor	left handed shooter	curly topfade	ice cold slushie
Jimmy Jolt	half court hook	neon arm sleeve	right handed shooter	curly topfade	salty popcorn
Kobe Blaze	crossover dribble	glowing sneakers	left handed shooter	curly topfade	salty popcorn
Steph Swift	no look pass	tinted visor	right handed shooter	curly topfade	ice cold slushie
Jayson Jet	crossover dribble	neon arm sleeve	right handed shooter	braided cornrows	cheesy nachos
Devon Pivot	spin move	padded headband	right handed shooter	curly topfade	ice cold slushie
Zion Zoom	no look pass	glowing sneakers	right handed shooter	curly topfade	salty popcorn
Trae Twist	spin move	padded headband	right handed shooter	braided cornrows	salty popcorn
Nikola Spin	sky high dunk	padded headband	right handed shooter	buzz cut	salty popcorn
DeAaron Dart	no look pass	tinted visor	left handed shooter	braided cornrows	salty popcorn
Giannis Glide	crossover dribble	glowing sneakers	right handed shooter	curly topfade	cheesy nachos

make your own at mathcrackers.com

CLUE 1

Addition

Coach Maya tallied the basketballs in both storage bins to reveal the first lead.

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



4439 + 2669 = ☐ → T

2608 + 4229 = ☐ → S

5313 + 2766 = ☐ → A

4062 + 5073 = ☐ → V

2560 + 2712 = ☐ → R

1644 + 1100 = ☐ → O

1250 + 1045 = ☐ → L

780 + 1363 = ☐ → H

2483 + 1473 = ☐ → N

2345 + 1502 = ☐ → W

5502 + 3772 = ☐ → E

3789 + 4682 = ☐ → D

4871 + 3340 = ☐ → M

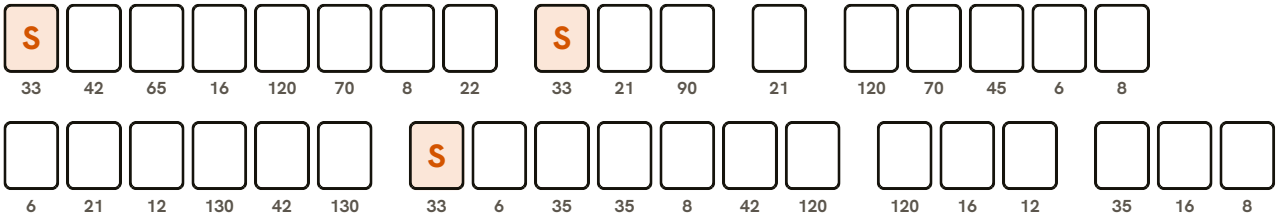
3551 + 4936 = ☐ → I

Scratch space:

CLUE 2 Skip counting

The referee counted practice jerseys by threes across the racks to uncover a second trace.

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



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

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, ___, 70, 75 ☐ → **C**

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

Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, ___, 50, 55 ☐ → **G**

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

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

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, 6, 8, 10, 12, 14, 16, 18, 20, ___, 24, 26 ☐ → **Y**

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

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

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

Skip-count by 2s. Fill the blank: 2, 4, 6, ___, 10, 12 ☐ → **T**

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

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, ___, 45, 48 ☐ → **E**

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

Scratch space:

CLUE 3 Rounding

The arena scoreboard display rounded the fan turnout estimate to output a hidden clue.

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

C															C									
9000	20	700	200	70	2900	900	500	2900	2000	170	130	5000	90	900	90	9000	900	20	1300					
1700	3700	20	3700	500	900	700	1300	230	900	1300	500	170	900	900	20									

Round 8,632 to the nearest thousand ☐ → C

Round 94 to the nearest ten ☐ → P

Round 471 to the nearest hundred ☐ → F

Round 74 to the nearest ten ☐ → B

Round 213 to the nearest hundred ☐ → M

Round 24 to the nearest ten ☐ → R

Round 167 to the nearest ten ☐ → L

Round 3,659 to the nearest hundred ☐ → E

Round 4,632 to the nearest thousand ☐ → Y

Round 1,344 to the nearest hundred ☐ → N

Round 2,877 to the nearest hundred ☐ → S

Round 2,360 to the nearest thousand ☐ → A

Round 702 to the nearest hundred ☐ → U

Round 231 to the nearest ten ☐ → D

Round 862 to the nearest hundred ☐ → O

Round 126 to the nearest ten ☐ → T

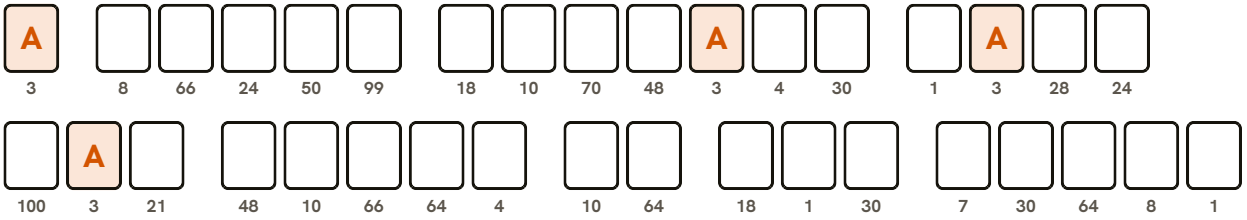
Round 1,699 to the nearest hundred ☐ → W

Scratch space:

CLUE 4 Multiplication facts (1-12)

Detective Dash calculated the total seats across equal court rows to solve the fourth hint.

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



3 × 1 = ☐ → A	3 × 6 = ☐ → T	3 × 10 = ☐ → E	
5 × 10 = ☐ → L	3 × 7 = ☐ → S	10 × 10 = ☐ → W	
9 × 11 = ☐ → Y	10 × 7 = ☐ → P	2 × 2 = ☐ → D	
8 × 3 = ☐ → R	7 × 1 = ☐ → B	6 × 11 = ☐ → U	8 × 6 = ☐ → F
2 × 5 = ☐ → O	8 × 8 = ☐ → N	1 × 1 = ☐ → H	4 × 7 = ☐ → I
2 × 4 = ☐ → C			

Scratch space:

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

> The team captain split towels evenly into player hampers to reveal 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:

81 ÷ 9 = ☐ | 60 ÷ 10 = ☐ | 20 ÷ 5 = ☐ | 30 ÷ 6 = ☐ | 110 ÷ 10 = ☐

1 ÷ 1 = ☐ | 96 ÷ 12 = ☐ | 27 ÷ 9 = ☐ | 10 ÷ 5 = ☐ | 132 ÷ 11 = ☐

21 ÷ 3 = ☐

Step 2 - cross out the sentence with each answer:

1. The villain faked out the court guard, then pocketed the golden whistle.
2. The villain faked out the court guard, then stole the championship trophy.
3. The villain faked out the court guard, then grabbed the golden trophy.
4. The villain zoomed past defense, then snatched the giant hoop cup.
5. The villain dashed across center court, then stole the championship trophy.
6. The villain dribbled past security, then stole the championship trophy.
7. The villain dribbled past security, then pocketed the golden whistle.
8. The villain faked out the court guard, then snatched the giant hoop cup.
9. The villain dashed across center court, then pocketed the golden whistle.
10. The villain slipped past the bench, then grabbed the golden trophy.
11. The villain zoomed past defense, then swiped the main award.
12. The villain dashed across center court, then grabbed the golden trophy.

TEACHER / PARENT

Answer Key

The Great Arena Heist

Culprit: Zion Zoom

no look pass · glowing sneakers · right handed shooter · curly topfade · salty popcorn

Trail: Start 21 → Clue 1 17 → Clue 2 12 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE VILLAIN DOES NOT WEAR A NEON ARM SLEEVE"

4439 + 2669 = 7108 (T) · 2608 + 4229 = 6837 (S) · 5313 + 2766 = 8079 (A) · 4062 + 5073 = 9135 (V) · 2560 + 2712 = 5272 (R) · 1644 + 1100 = 2744 (O) · 1250 + 1045 = 2295 (L) · 780 + 1363 = 2143 (H) · 2483 + 1473 = 3956 (N) · 2345 + 1502 = 3847 (W) · 5502 + 3772 = 9274 (E) · 3789 + 4682 = 8471 (D) · 4871 + 3340 = 8211 (M) · 3551 + 4936 = 8487 (I)

Clue 2 (Skip counting): "SECURITY SAW A RIGHT HANDED SHOOTER RUN OUT"

Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, ___, 36, 39 = 33 (S) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, ___, 70, 75 = 65 (C) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, ___, 24, 27 = 21 (A) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, ___, 50, 55 = 45 (G) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, ___, 40, 45 = 35 (O) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, 120, ___, 140, 150 = 130 (D) · 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, 6, 8, 10, 12, 14, 16, 18, 20, ___, 24, 26 = 22 (Y) · Skip-count by 10s. Fill the blank: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110, ___, 130, 140 = 120 (R) · Skip-count by 2s. Fill the blank: 2, 4, ___, 8, 10 = 6 (H) · Skip-count by 5s. Fill the blank: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, ___, 75, 80 = 70 (I) · Skip-count by 2s. Fill the blank: 2, 4, 6, ___, 10, 12 = 8 (T) · Skip-count by 2s. Fill the blank: 2, 4, 6, 8, 10, 12, 14, ___, 18, 20 = 16 (U) · Skip-count by 3s. Fill the blank: 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39, ___, 45, 48 = 42 (E) · Skip-count by 3s. Fill the blank: 3, 6, 9, ___, 15, 18 = 12 (N)

Clue 3 (Rounding): "CRUMBS OF SALTY POPCORN WERE FOUND ON FLOOR"

Round 8,632 to the nearest thousand = 9000 (C) · Round 94 to the nearest ten = 90 (P) · Round 471 to the nearest hundred = 500 (F) · Round 74 to the nearest ten = 70 (B) · Round 213 to the nearest hundred = 200 (M) · Round 24 to the nearest ten = 20 (R) · Round 167 to the nearest ten = 170 (L) · Round 3,659 to the nearest hundred = 3700 (E) · Round 4,632 to the nearest thousand = 5000 (Y) · Round 1,344 to the nearest hundred = 1300 (N) · Round 2,877 to the nearest hundred = 2900 (S) · Round 2,360 to the nearest thousand = 2000 (A) · Round 702 to the nearest hundred = 700 (U) · Round 231 to the nearest ten = 230 (D) · Round 862 to the nearest hundred = 900 (O) · Round 126 to the nearest ten = 130 (T) · Round 1,699 to the nearest hundred = 1700 (W)

Clue 4 (Multiplication facts (1-12)): "A CURLY TOPFADE HAIR WAS FOUND ON THE BENCH"

3 × 1 = 3 (A) · 3 × 6 = 18 (T) · 3 × 10 = 30 (E) · 5 × 10 = 50 (L) · 3 × 7 = 21 (S) · 10 × 10 = 100 (W) · 9 × 11 = 99 (Y) · 10 × 7 = 70 (P) · 2 × 2 = 4 (D) · 8 × 3 = 24 (R) · 7 × 1 = 7 (B) · 6 × 11 = 66 (U) · 8 × 6 = 48 (F) · 2 × 5 = 10 (O) · 8 × 8 = 64 (N) · 1 × 1 = 1 (H) · 4 × 7 = 28 (I) · 2 × 4 = 8 (C)

Clue 5 (Division facts (1-12)): surviving statement is box 10 → Zion Zoom

81 ÷ 9 = 9 · 60 ÷ 10 = 6 · 20 ÷ 5 = 4 · 30 ÷ 6 = 5 · 110 ÷ 10 = 11 · 1 ÷ 1 = 1 · 96 ÷ 12 = 8 · 27 ÷ 9 = 3 · 10 ÷ 5 = 2 · 132 ÷ 11 = 12 · 21 ÷ 3 = 7