



The Big Championship Heist

Grade 6 math · Place value, Multiplication, Percentages, Exponents, Division · Reading level grades 3-4

Detective: _____ Date: _____

Right before the final buzzer, the stadium lights went out! When they came back on, the golden championship trophy was missing from the center court. The referee needs your help to find which star player 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 court sneaker 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	SUPER SKILL	DRIBBLING HAND	HEADBAND COLOR	DEFENSIVE FLAW
Kevin	no-look bounce pass	stealing the ball	left-hand dribbler	red headband	misses free throws
Devin	ankle-breaker crossover	guarding the MVP	left-hand dribbler	red headband	misses free throws
Trae	ankle-breaker crossover	blocking tall centers	left-hand dribbler	red headband	gets tired quickly
Jayson	double-clutch dunk	guarding the MVP	left-hand dribbler	red headband	misses free throws
Stephen	no-look bounce pass	blocking tall centers	left-hand dribbler	red headband	gets tired quickly
Kawhi	no-look bounce pass	guarding the MVP	right-hand dribbler	red headband	gets tired quickly
Nikola	half-court buzzer-beater	running fast breaks	left-hand dribbler	green headband	misses free throws
LeBron	ankle-breaker crossover	stealing the ball	right-hand dribbler	red headband	fouls out early
Spud	no-look bounce pass	blocking tall centers	left-hand dribbler	green headband	gets tired quickly
Draymond	ankle-breaker crossover	running fast breaks	right-hand dribbler	red headband	gets tired quickly
Joel	ankle-breaker crossover	stealing the ball	left-hand dribbler	red headband	misses free throws
Kyrie	double-clutch dunk	shooting trick shots	left-hand dribbler	red headband	misses free throws
DeMar	sky-hook shot	stealing the ball	left-hand dribbler	green headband	misses free throws
Klay	half-court buzzer-beater	stealing the ball	left-hand dribbler	green headband	misses free throws
Russell	half-court buzzer-beater	guarding the MVP	left-hand dribbler	red headband	fouls out early
Shai	sky-hook shot	shooting trick shots	right-hand dribbler	blue headband	misses free throws
Muggsy	no-look bounce pass	guarding the MVP	right-hand dribbler	green headband	gets tired quickly
James	sky-hook shot	shooting trick shots	left-hand dribbler	blue headband	fouls out early
Luka	sky-hook shot	stealing the ball	left-hand dribbler	red headband	gets tired quickly
Anthony	sky-hook shot	guarding the MVP	right-hand dribbler	red headband	misses free throws
Damian	ankle-breaker crossover	stealing the ball	right-hand dribbler	red headband	misses free throws

CLUE 1

The gym scoreboard flashed a strange code. Let us check the place value of the digits to find the clue.

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

What is the value of the 1 in 70,188?



What is the value of the 2 in 693,258?

A diagram showing a box with an arrow pointing to a box labeled K.

What is the value of the 3 in 856,235?

? → **L**

What is the value of the 8 in 28,964?

A diagram showing a transformation. On the left is a rectangle with rounded corners. An arrow points to the right, where there is a circle inside a square frame.

What is the value of the 6 in 326,444?

? → **C**

What is the value of the 8 in 597,829?

? → **N**

What is the value of the 3 in 44,311?

A diagram showing a transformation. On the left is a rectangle. An arrow points to the right, where there is a square containing a vertical line.

What is the value of the 2 in 62,759?

A diagram showing a transformation. On the left is a square box with a thin black border and a light gray background, containing a large black question mark. An arrow points from this box to another square box on the right. The second box has a thick black border and a white background, containing a large black letter 'A'.

What is the value of the 4 in 59,497?

A diagram showing a box with a question mark pointing to a box with the letter V.

What is the value of the 4 in 154,262?

→ **D**

What is the value of the 1 in 351,667?

? → **R**

What is the value of the 7 in 647,918?

? → **S**

What is the value of the 9 in 602,291?

? → **E**

What is the value of the 9 in 575,940?

? → **H**

Scratch space:

CLUE 2
Multiplication facts (1-12)

The coach needs to count the practice basketballs stored in equal rows. Solve the multiplication to find the next clue.

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

T									T								
40	10	42	7	16	7	11	42	56	40	45	120	110	99	99	96	42	7

		T		T								T				
12	110	40	10	40	10	42	110	120	96	42	27	40	10	44	18	45

$5 \times 8 = \square \rightarrow \text{[T]}$	$10 \times 12 = \square \rightarrow \text{[R]}$	$11 \times 1 = \square \rightarrow \text{[P]}$	
$6 \times 7 = \square \rightarrow \text{[E]}$	$7 \times 8 = \square \rightarrow \text{[C]}$	$12 \times 8 = \square \rightarrow \text{[L]}$	$3 \times 4 = \square \rightarrow \text{[W]}$
$9 \times 11 = \square \rightarrow \text{[B]}$	$2 \times 5 = \square \rightarrow \text{[H]}$	$9 \times 5 = \square \rightarrow \text{[D]}$	$8 \times 2 = \square \rightarrow \text{[U]}$
$4 \times 11 = \square \rightarrow \text{[A]}$	$9 \times 3 = \square \rightarrow \text{[F]}$	$2 \times 9 = \square \rightarrow \text{[N]}$	
$10 \times 11 = \square \rightarrow \text{[I]}$	$7 \times 1 = \square \rightarrow \text{[S]}$		

Scratch space:

CLUE 3 Percentages

We found a clipboard showing the team's free throw stats. Calculate the shooting percentages to unlock the secret.

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

T																
8	41	20	42	21	7	7	37	21	27	37	7	43	37	1	28	

										T						
18	21	28	28	20	28	36	29	20	20	8	41	29	31	43	28	

$20\% \text{ of } 40 = \square \rightarrow \text{T}$

$25\% \text{ of } 112 = \square \rightarrow \text{S}$

$60\% \text{ of } 60 = \square \rightarrow \text{F}$

$5\% \text{ of } 360 = \square \rightarrow \text{M}$

$10\% \text{ of } 210 = \square \rightarrow \text{I}$

$5\% \text{ of } 860 = \square \rightarrow \text{W}$

$5\% \text{ of } 580 = \square \rightarrow \text{R}$

$5\% \text{ of } 840 = \square \rightarrow \text{V}$

$20\% \text{ of } 185 = \square \rightarrow \text{A}$

$50\% \text{ of } 14 = \square \rightarrow \text{L}$

$5\% \text{ of } 540 = \square \rightarrow \text{N}$

$25\% \text{ of } 164 = \square \rightarrow \text{H}$

$25\% \text{ of } 124 = \square \rightarrow \text{O}$

$25\% \text{ of } 80 = \square \rightarrow \text{E}$

$50\% \text{ of } 2 = \square \rightarrow \text{Y}$

Scratch space:

CLUE 4 Exponents

The basketball tournament bracket grows fast every round. Use exponents to figure out how many fans are watching.

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

A						A			A					A		
216	169	128	81	121	128	216	81	144	216	289	81	9	216	64		
81	169	36	343	343	128	81	36	289	8	121	128	256	36	225	169	8

$6^3 = \square \rightarrow \mathbf{A}$	$2^8 = \square \rightarrow \mathbf{C}$	$7^3 = \square \rightarrow \mathbf{P}$	$13^2 = \square \rightarrow \mathbf{R}$
$3^2 = \square \rightarrow \mathbf{W}$	$2^7 = \square \rightarrow \mathbf{E}$	$15^2 = \square \rightarrow \mathbf{U}$	$9^2 = \square \rightarrow \mathbf{D}$
$6^2 = \square \rightarrow \mathbf{O}$	$11^2 = \square \rightarrow \mathbf{H}$	$12^2 = \square \rightarrow \mathbf{B}$	$2^3 = \square \rightarrow \mathbf{T}$
$4^3 = \square \rightarrow \mathbf{S}$	$17^2 = \square \rightarrow \mathbf{N}$		

Scratch space:

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

The referee has to split up the training jerseys evenly among all the players. Divide them up to get 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:

$42 \div 7 = \boxed{}$

$18 \div 2 = \boxed{}$

$36 \div 12 = \boxed{}$

$24 \div 6 = \boxed{}$

$55 \div 5 = \boxed{}$

$70 \div 10 = \boxed{}$

$20 \div 10 = \boxed{}$

$120 \div 12 = \boxed{}$

$40 \div 5 = \boxed{}$

$132 \div 11 = \boxed{}$

$6 \div 6 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain slams a double-clutch dunk, then snatches the golden basketball.
2. The villain shoots a high sky-hook shot, then takes the lucky court whistle.
3. The villain performs an ankle-breaker crossover, then grabs the team mascot costume.
4. The villain slams a double-clutch dunk, then swipes the coach playbook.
5. The villain slams a double-clutch dunk, then grabs the team mascot costume.
6. The villain makes a wild no-look bounce pass, then steals the championship trophy.
7. The villain sinks a half-court buzzer-beater, then swipes the coach playbook.
8. The villain shoots a high sky-hook shot, then steals the championship trophy.
9. The villain performs an ankle-breaker crossover, then steals the championship trophy.
10. The villain sinks a half-court buzzer-beater, then snatches the golden basketball.
11. The villain slams a double-clutch dunk, then takes the lucky court whistle.
12. The villain slams a double-clutch dunk, then steals the championship trophy.

Answer Key

The Big Championship Heist

Culprit: Jayson

double-clutch dunk · guarding the MVP · left-hand dribbler · red headband · misses free throws

Trail: Start 21 → Clue 1 18 → Clue 2 12 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Place value): "THE VILLAIN DOES NOT SHOOT TRICK SHOTS"

What is the value of the 1 in 70,188? = 100 (T) · What is the value of the 2 in 693,258? = 200 (K) · What is the value of the 3 in 856,235? = 30 (L) · What is the value of the 8 in 28,964? = 8000 (O) · What is the value of the 6 in 326,444? = 6000 (C) · What is the value of the 8 in 597,829? = 800 (N) · What is the value of the 3 in 44,311? = 300 (I) · What is the value of the 2 in 62,759? = 2000 (A) · What is the value of the 4 in 59,497? = 400 (V) · What is the value of the 4 in 154,262? = 4000 (D) · What is the value of the 1 in 351,667? = 1000 (R) · What is the value of the 7 in 647,918? = 7000 (S) · What is the value of the 9 in 602,291? = 90 (E) · What is the value of the 9 in 575,940? = 900 (H)

Clue 2 (Multiplication facts (1-12)): "THE SUSPECT DRIBBLES WITH THEIR LEFT HAND"

$5 \times 8 = 40$ (T) · $10 \times 12 = 120$ (R) · $11 \times 1 = 11$ (P) · $6 \times 7 = 42$ (E) · $7 \times 8 = 56$ (C) · $12 \times 8 = 96$ (L) · $3 \times 4 = 12$ (W) · $9 \times 11 = 99$ (B) · $2 \times 5 = 10$ (H) · $9 \times 5 = 45$ (D) · $8 \times 2 = 16$ (U) · $4 \times 11 = 44$ (A) · $9 \times 3 = 27$ (F) · $2 \times 9 = 18$ (N) · $10 \times 11 = 110$ (I) · $7 \times 1 = 7$ (S)

Clue 3 (Percentages): "THE VILLAIN ALWAYS MISSES FREE THROWS"

20% of 40 = 8 (T) · 25% of 112 = 28 (S) · 60% of 60 = 36 (F) · 5% of 360 = 18 (M) · 10% of 210 = 21 (I) · 5% of 860 = 43 (W) · 5% of 580 = 29 (R) · 5% of 840 = 42 (V) · 20% of 185 = 37 (A) · 50% of 14 = 7 (L) · 5% of 540 = 27 (N) · 25% of 164 = 41 (H) · 25% of 124 = 31 (O) · 25% of 80 = 20 (E) · 50% of 2 = 1 (Y)

Clue 4 (Exponents): "A RED HEADBAND WAS DROPPED ON THE COURT"

$6^3 = 216$ (A) · $2^8 = 256$ (C) · $7^3 = 343$ (P) · $13^2 = 169$ (R) · $3^2 = 9$ (W) · $2^7 = 128$ (E) · $15^2 = 225$ (U) · $9^2 = 81$ (D) · $6^2 = 36$ (O) · $11^2 = 121$ (H) · $12^2 = 144$ (B) · $2^3 = 8$ (T) · $4^3 = 64$ (S) · $17^2 = 289$ (N)

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

$42 \div 7 = 6$ · $18 \div 2 = 9$ · $36 \div 12 = 3$ · $24 \div 6 = 4$ · $55 \div 5 = 11$ · $70 \div 10 = 7$ · $20 \div 10 = 2$ · $120 \div 12 = 10$ · $40 \div 5 = 8$ · $132 \div 11 = 12$ · $6 \div 6 = 1$