The Championship Belt Caper

Grade 5 math · Multiplication, Multi-step word problems, Bar models, Fractions of a number, Division · Reading level grades 5-6

Detective: _____ **Date:** _____

The shiny Golden Championship Belt went missing right before the main event at Slamville Arena! Detective Cena was called in to examine the locker rooms and solve the mystery.

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 Belt Bandit is _____

Possible suspects

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

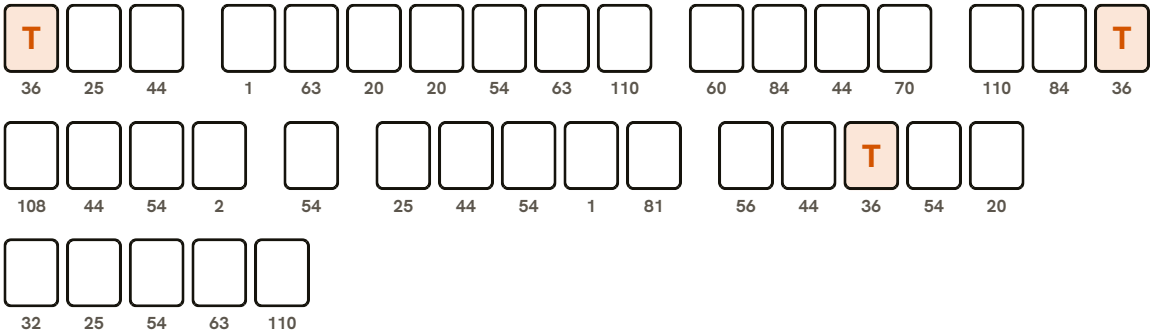
NAME	SIGNATURE MOVE	ENTRANCE GEAR	WRISTBAND ARM	HAIR STYLE	DISTRACTION WEAKNESS
Xavier Woods	Spin Buster	Gold Trophy	Right Wristband	Buzz Cut	Squeaky Toy
John Cena	Chokeslam	Bright Red Cap	Right Wristband	Buzz Cut	Bright Flashlight
Randy Orton	Spin Buster	Gold Trophy	Right Wristband	Spiky Hair	Bright Flashlight
Sami Zayn	Attitude Adjustment	Camo Shorts	Left Wristband	Spiky Hair	Squeaky Toy
Sheamus	Spin Buster	Gold Trophy	Right Wristband	Buzz Cut	Bright Flashlight
Asuka	Spin Buster	Camo Shorts	Right Wristband	Buzz Cut	Bright Flashlight
Roman Reigns	Diving Elbow	Gold Trophy	Left Wristband	Buzz Cut	Bright Flashlight
Seth Rollins	Diving Elbow	Neon Wristbands	Right Wristband	Buzz Cut	Bright Flashlight
Becky Lynch	Attitude Adjustment	Neon Wristbands	Left Wristband	Spiky Hair	Bright Flashlight
Kofi Kingston	Spin Buster	Neon Wristbands	Right Wristband	Spiky Hair	Loud Foghorn
Edge	Five Knuckle Shuffle	Gold Trophy	Left Wristband	Spiky Hair	Loud Foghorn
Drew McIntyre	Diving Elbow	Neon Wristbands	Right Wristband	Buzz Cut	Squeaky Toy
Big E	Diving Elbow	Camo Shorts	Left Wristband	Slicked Back	Loud Foghorn
Kevin Owens	Chokeslam	Gold Trophy	Left Wristband	Slicked Back	Bright Flashlight
AJ Styles	Five Knuckle Shuffle	Heavy Metal Chain	Right Wristband	Spiky Hair	Squeaky Toy
Cody Rhodes	Chokeslam	Bright Red Cap	Right Wristband	Buzz Cut	Loud Foghorn
Ronda Rousey	Chokeslam	Camo Shorts	Right Wristband	Buzz Cut	Loud Foghorn
Rey Mysterio	Attitude Adjustment	Neon Wristbands	Right Wristband	Spiky Hair	Squeaky Toy
Sasha Banks	Chokeslam	Bright Red Cap	Right Wristband	Spiky Hair	Bright Flashlight
Bianca Belair	Five Knuckle Shuffle	Heavy Metal Chain	Right Wristband	Buzz Cut	Bright Flashlight
Batista	Diving Elbow	Heavy Metal Chain	Left Wristband	Spiky Hair	Bright Flashlight

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CLUE 1 Multiplication facts (1-12)

> The referee counted rows of ring folding chairs to gather clues.

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



4 × 9 = ☐ → T

10 × 11 = ☐ → N

6 × 9 = ☐ → A

9 × 12 = ☐ → W

2 × 10 = ☐ → L

2 × 1 = ☐ → R

9 × 7 = ☐ → I

9 × 9 = ☐ → Y

12 × 7 = ☐ → O

1 × 1 = ☐ → V

8 × 7 = ☐ → M

5 × 5 = ☐ → H

8 × 4 = ☐ → C

4 × 11 = ☐ → E

7 × 10 = ☐ → S

12 × 5 = ☐ → D

Scratch space:

CLUE 2 Multi-step word problems

The security guard tracked down clues by calculating fan merch totals.

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

A witness saw the villain was

R						R				B	A	N	D
72	44	59	41	30	18	72	44	70	30				

.

There were 601 wristbands in all. 25 wristbands were set aside. The rest were shared equally among 8 Slamville Crew. How many wristbands did each get?

Answer: ☐ → R

John Cena collected 148 t-shirts in the morning and 202 t-shirts in the afternoon, then split them equally among 5 Slamville Crew. How many t-shirts did each get?

Answer: ☐ → S

There were 291 folding chairs in all. 27 folding chairs were set aside. The rest were shared equally among 6 Slamville Crew. How many folding chairs did each get?

Answer: ☐ → I

There were 220 championship belts in all. 4 Slamville Crew used 40 championship belts each. The other 2 Slamville Crew shared the rest equally. How many championship belts did each of the other Slamville Crew get?

Answer: ☐ → T

There were 194 wristbands in all. 17 wristbands were set aside. The rest were shared equally among 3 Slamville Crew. How many wristbands did each get?

Answer: ☐ → G

John Cena earned 3 t-shirts in each of 4 rounds, plus 44 bonus t-shirts. Then 15 t-shirts were lost. How many t-shirts are left?

Answer: ☐ → H

There were 211 championship belts in all. 31 championship belts were set aside. The rest were shared equally among 10 Slamville Crew. How many championship belts did each get?

Answer: ☐ → W

Scratch space:

CLUE 3 Bar model word problems

The manager drew a bar model comparing lengths of left-behind ropes.

Draw a bar model to solve each word problem, then write its letter in the boxes to fill in the missing word.

Someone scared the villain off with

B							L	A	S		L					.
73	112	43	25	65	10	44				65		43	25	65	10	

There were 80 folding chairs in all. 7 folding chairs were used. How many folding chairs are left?

draw a bar model

Answer: ☐ → B

John Cena shares 86 championship belts equally among 2 teams. How many championship belts does each team get?

draw a bar model

Answer: ☐ → I

The red team has 68 t-shirts and the blue team has 24 t-shirts. How many more t-shirts does the red team have?

draw a bar model

Answer: ☐ → F

John Cena has 195 folding chairs, packed 3 to a bag. How many bags can be filled?

draw a bar model

Answer: ☐ → H

John Cena has 2 times as many foam fingers as a teammate. The teammate has 5 foam fingers. How many foam fingers does John Cena have?

draw a bar model

Answer: ☐ → T

There were 35 wristbands in all. 10 wristbands were used. How many wristbands are left?

draw a bar model

Answer: ☐ → G

John Cena has 224 wristbands, packed 2 to a bag. How many bags can be filled?

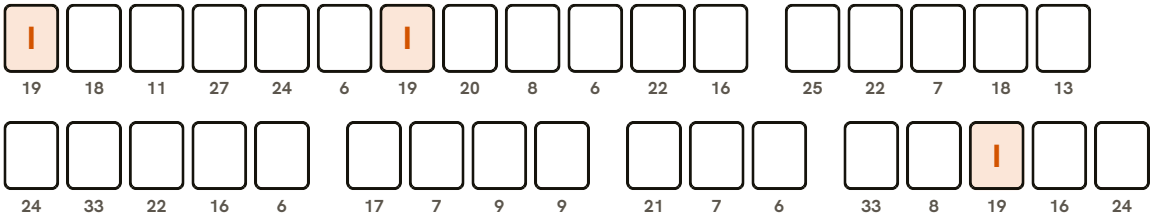
draw a bar model

Answer: ☐ → R

CLUE 4 Fractions of a number

> The announcer calculated what fraction of locker room keys were stolen.

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



3/6 of 38 = ☐ → I

1/3 of 81 = ☐ → E

4/10 of 55 = ☐ → O

3/10 of 80 = ☐ → S

1/10 of 200 = ☐ → G

2/8 of 44 = ☐ → V

3/4 of 8 = ☐ → T

2/5 of 20 = ☐ → A

2/10 of 90 = ☐ → N

3/5 of 55 = ☐ → H

3/6 of 14 = ☐ → U

1/3 of 27 = ☐ → Z

1/10 of 160 = ☐ → R

2/8 of 84 = ☐ → C

4/8 of 34 = ☐ → B

1/3 of 39 = ☐ → D

5/6 of 30 = ☐ → F

Scratch space:

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

> The detective divided the remaining suspect locker numbers among guards.

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:

21 ÷ 3 = ☐ | 54 ÷ 9 = ☐ | 55 ÷ 5 = ☐ | 4 ÷ 1 = ☐ | 64 ÷ 8 = ☐

36 ÷ 12 = ☐ | 96 ÷ 8 = ☐ | 10 ÷ 2 = ☐ | 14 ÷ 7 = ☐ | 12 ÷ 12 = ☐

70 ÷ 7 = ☐

Step 2 - cross out the sentence with each answer:

1. The villain struck with a diving elbow, then adjusted a bright red cap.
2. The villain performed an attitude adjustment, then hoisted a gold trophy.
3. The villain landed a five knuckle shuffle, then marched in camo shorts.
4. The villain struck with a diving elbow, then marched in camo shorts.
5. The villain struck with a diving elbow, then clanked a heavy metal chain.
6. The villain struck with a diving elbow, then flashed bright neon wristbands.
7. The villain executed a spin buster, then hoisted a gold trophy.
8. The villain performed an attitude adjustment, then flashed bright neon wristbands.
9. The villain delivered a chokeslam, then adjusted a bright red cap.
10. The villain performed an attitude adjustment, then clanked a heavy metal chain.
11. The villain executed a spin buster, then marched in camo shorts.
12. The villain landed a five knuckle shuffle, then hoisted a gold trophy.

TEACHER / PARENT

Answer Key

The Championship Belt Caper

Culprit: John Cena

Chokeslam · Bright Red Cap · Right Wristband · Buzz Cut · Bright Flashlight

Trail: Start 21 → Clue 1 18 → Clue 2 12 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Multiplication facts (1-12)): "THE VILLAIN DOES NOT WEAR A HEAVY METAL CHAIN"

4 × 9 = 36 (T) · 10 × 11 = 110 (N) · 6 × 9 = 54 (A) · 9 × 12 = 108 (W) · 2 × 10 = 20 (L) · 2 × 1 = 2 (R) · 9 × 7 = 63 (I) · 9 × 9 = 81 (Y) · 12 × 7 = 84 (O) · 1 × 1 = 1 (V) · 8 × 7 = 56 (M) · 5 × 5 = 25 (H) · 8 × 4 = 32 (C) · 4 × 11 = 44 (E) · 7 × 10 = 70 (S) · 12 × 5 = 60 (D)

Clue 2 (Multi-step word problems): "RIGHT WRISTBAND"

There were 601 wristbands in all. 25 wristbands were set aside. The rest were shared equally among 8 Slamville Crew. How many wristbands did each get? = 72 (R) · John Cena collected 148 t-shirts in the morning and 202 t-shirts in the afternoon, then split them equally among 5 Slamville Crew. How many t-shirts did each get? = 70 (S) · There were 291 folding chairs in all. 27 folding chairs were set aside. The rest were shared equally among 6 Slamville Crew. How many folding chairs did each get? = 44 (I) · There were 220 championship belts in all. 4 Slamville Crew used 40 championship belts each. The other 2 Slamville Crew shared the rest equally. How many championship belts did each of the other Slamville Crew get? = 30 (T) · There were 194 wristbands in all. 17 wristbands were set aside. The rest were shared equally among 3 Slamville Crew. How many wristbands did each get? = 59 (G) · John Cena earned 3 t-shirts in each of 4 rounds, plus 44 bonus t-shirts. Then 15 t-shirts were lost. How many t-shirts are left? = 41 (H) · There were 211 championship belts in all. 31 championship belts were set aside. The rest were shared equally among 10 Slamville Crew. How many championship belts did each get? = 18 (W)

Clue 3 (Bar model word problems): "BRIGHT FLASHLIGHT"

There were 80 folding chairs in all. 7 folding chairs were used. How many folding chairs are left? = 73 (B) · John Cena shares 86 championship belts equally among 2 teams. How many championship belts does each team get? = 43 (I) · The red team has 68 t-shirts and the blue team has 24 t-shirts. How many more t-shirts does the red team have? = 44 (F) · John Cena has 195 folding chairs, packed 3 to a bag. How many bags can be filled? = 65 (H) · John Cena has 2 times as many foam fingers as a teammate. The teammate has 5 foam fingers. How many foam fingers does John Cena have? = 10 (T) · There were 35 wristbands in all. 10 wristbands were used. How many wristbands are left? = 25 (G) · John Cena has 224 wristbands, packed 2 to a bag. How many bags can be filled? = 112 (R)

Clue 4 (Fractions of a number): "INVESTIGATOR FOUND SHORT BUZZ CUT HAIRS"

3/6 of 38 = 19 (I) · 1/3 of 81 = 27 (E) · 4/10 of 55 = 22 (O) · 3/10 of 80 = 24 (S) · 1/10 of 200 = 20 (G) · 2/8 of 44 = 11 (V) · 3/4 of 8 = 6 (T) · 2/5 of 20 = 8 (A) · 2/10 of 90 = 18 (N) · 3/5 of 55 = 33 (H) · 3/6 of 14 = 7 (U) · 1/3 of 27 = 9 (Z) · 1/10 of 160 = 16 (R) · 2/8 of 84 = 21 (C) · 4/8 of 34 = 17 (B) · 1/3 of 39 = 13 (D) · 5/6 of 30 = 25 (F)

Clue 5 (Division facts (1-12)): surviving statement is box 9 → John Cena

21 ÷ 3 = 7 · 54 ÷ 9 = 6 · 55 ÷ 5 = 11 · 4 ÷ 1 = 4 · 64 ÷ 8 = 8 · 36 ÷ 12 = 3 · 96 ÷ 8 = 12 · 10 ÷ 2 = 5 · 14 ÷ 7 = 2 · 12 ÷ 12 = 1 · 70 ÷ 7 = 10