The Case of the Missing Golden Puck

Grade 4 math · Rounding, Addition, Subtraction, Multiplication, Division · Reading level grades 3-4

Detective: _____ **Date:** _____

Right before the final showdown at Frostbite Arena, the trophy puck disappeared! Detective, use your math skills to track down the culprit 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 puck thief is _____

Possible suspects

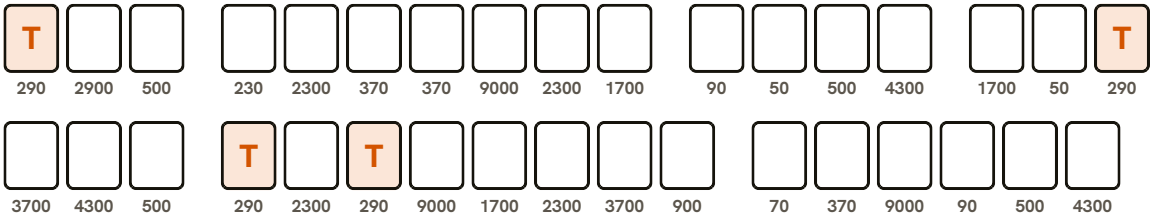
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	SHOT STYLE	SKATE TYPE	GRIP STYLE	HELMET COLOR	DISTRACTION
Connor McDavid	Snap Shot	Polymer Blades	Left Handed Grip	Red Helmet	Loud Whistle
David Pastrnak	Snap Shot	Speed Blades	Left Handed Grip	Red Helmet	Ice Blast
Brad Marchand	Slap Shot	Steel Blades	Left Handed Grip	Blue Helmet	Megaphone Noise
Alex Ovechkin	Backhand Shot	Polymer Blades	Left Handed Grip	White Helmet	Loud Whistle
Mikko Rantanen	Backhand Shot	Steel Blades	Right Handed Grip	White Helmet	Megaphone Noise
Sebastian Aho	Wrist Shot	Carbon Blades	Left Handed Grip	White Helmet	Ice Blast
Aleksander Barkov	Snap Shot	Polymer Blades	Left Handed Grip	Red Helmet	Ice Blast
Anze Kopitar	Backhand Shot	Steel Blades	Right Handed Grip	Blue Helmet	Ice Blast
Leon Draisaitl	Snap Shot	Carbon Blades	Left Handed Grip	Blue Helmet	Loud Whistle
Auston Matthews	Wrist Shot	Steel Blades	Left Handed Grip	Blue Helmet	Megaphone Noise
Matthew Tkachuk	Wrist Shot	Polymer Blades	Left Handed Grip	Blue Helmet	Ice Blast
Jack Eichel	Slap Shot	Speed Blades	Right Handed Grip	Red Helmet	Megaphone Noise
Kirill Kaprizov	Slap Shot	Carbon Blades	Left Handed Grip	Blue Helmet	Megaphone Noise
Steven Stamkos	Backhand Shot	Steel Blades	Left Handed Grip	White Helmet	Megaphone Noise
Cale Makar	Snap Shot	Steel Blades	Right Handed Grip	Red Helmet	Megaphone Noise
Mitch Marner	Wrist Shot	Polymer Blades	Right Handed Grip	Blue Helmet	Megaphone Noise
Artemi Panarin	Snap Shot	Titanium Blades	Left Handed Grip	Blue Helmet	Megaphone Noise
Quinn Hughes	One Timer	Polymer Blades	Right Handed Grip	Blue Helmet	Loud Whistle
Victor Hedman	Backhand Shot	Speed Blades	Right Handed Grip	White Helmet	Ice Blast
Elias Pettersson	One Timer	Carbon Blades	Left Handed Grip	Red Helmet	Megaphone Noise
Nathan MacKinnon	Backhand Shot	Carbon Blades	Left Handed Grip	Blue Helmet	Megaphone Noise

CLUE 1 Rounding

> The arena scoreboard rounded the high score estimate to the nearest hundred.

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



Round 292 to the nearest ten ☐ → **T**

Round 71 to the nearest ten ☐ → **B**

Round 372 to the nearest ten ☐ → **L**

Round 1,709 to the nearest hundred ☐ → **N**

Round 232 to the nearest ten ☐ → **V**

Round 860 to the nearest hundred ☐ → **M**

Round 3,715 to the nearest hundred ☐ → **U**

Round 4,307 to the nearest hundred ☐ → **S**

Round 502 to the nearest hundred ☐ → **E**

Round 94 to the nearest ten ☐ → **D**

Round 2,312 to the nearest hundred ☐ → **I**

Round 2,872 to the nearest hundred ☐ → **H**

Round 9,097 to the nearest thousand ☐ → **A**

Round 52 to the nearest ten ☐ → **O**

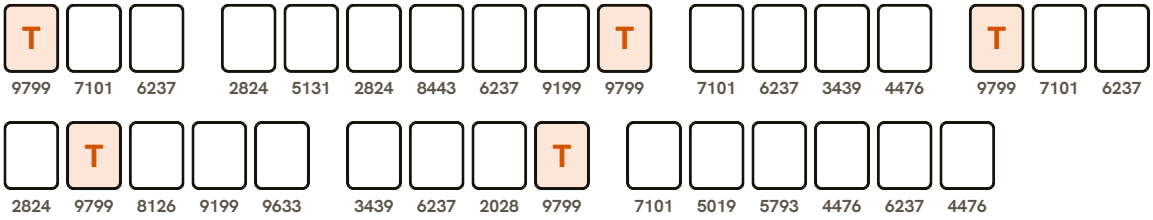
Scratch space:

CLUE 2

Addition

Coach Miller added up the total number of practice pucks collected after warmups.

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



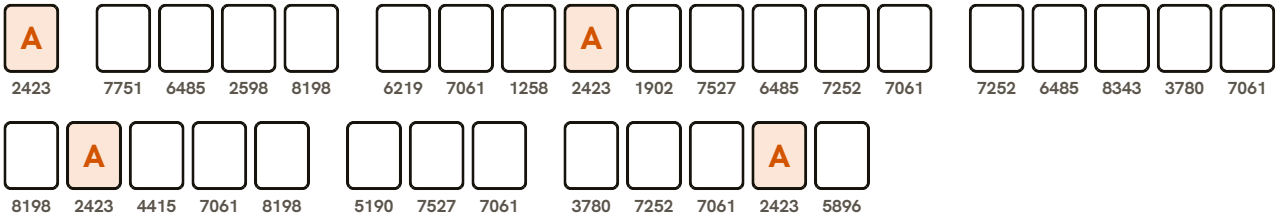
3520 + 6279 = ☐ → T	4502 + 2599 = ☐ → H	1104 + 1720 = ☐ → S
1591 + 3540 = ☐ → U	5738 + 2705 = ☐ → P	4213 + 2024 = ☐ → E
1732 + 1707 = ☐ → L	1761 + 4032 = ☐ → N	4723 + 4476 = ☐ → C
1067 + 961 = ☐ → F	1666 + 3353 = ☐ → A	2994 + 1482 = ☐ → D
5412 + 4221 = ☐ → K	4980 + 3146 = ☐ → I	

Scratch space:

CLUE 3 Subtraction

The equipment manager subtracted the missing jerseys from the locker room bin.

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



6226 - 3803 = ☐ → A

11330 - 4845 = ☐ → O

9776 - 1433 = ☐ → I

7142 - 1246 = ☐ → K

10225 - 4006 = ☐ → M

11027 - 3966 = ☐ → E

11390 - 3863 = ☐ → H

11577 - 3826 = ☐ → L

4463 - 1865 = ☐ → U

4296 - 3038 = ☐ → G

10689 - 3437 = ☐ → N

7436 - 3656 = ☐ → S

5302 - 3400 = ☐ → P

9581 - 1383 = ☐ → D

5157 - 742 = ☐ → Z

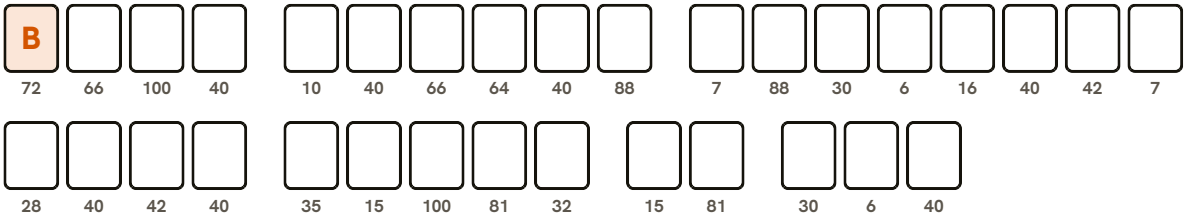
5568 - 378 = ☐ → T

Scratch space:

CLUE 4 Multiplication facts (1-12)

> The team captain counted rows of hockey sticks stacked in identical rack groups.

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



6 × 12 = ☐ → B	8 × 5 = ☐ → E	3 × 5 = ☐ → O	9 × 9 = ☐ → N
10 × 10 = ☐ → U	8 × 8 = ☐ → M	8 × 4 = ☐ → D	
7 × 5 = ☐ → F	7 × 1 = ☐ → S	6 × 11 = ☐ → L	4 × 7 = ☐ → W
5 × 6 = ☐ → I	8 × 11 = ☐ → T	1 × 10 = ☐ → H	
4 × 4 = ☐ → K	6 × 1 = ☐ → C	7 × 6 = ☐ → R	

Scratch space:

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

> The referee divided the leftover juice boxes equally among the four line groups.

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:

48 ÷ 6 = ☐ | 121 ÷ 11 = ☐ | 10 ÷ 10 = ☐ | 50 ÷ 10 = ☐ | 22 ÷ 11 = ☐

33 ÷ 11 = ☐ | 36 ÷ 3 = ☐ | 63 ÷ 9 = ☐ | 120 ÷ 12 = ☐ | 40 ÷ 10 = ☐

27 ÷ 3 = ☐

Step 2 - cross out the sentence with each answer:

1. The villain snapped a quick wrist shot, then carved the ice on steel blades.
2. The villain flipped a sneaky backhand shot, then dashed off on titanium blades.
3. The villain zipped a sharp snap shot, then carved the ice on steel blades.
4. The villain snapped a quick wrist shot, then dashed off on titanium blades.
5. The villain snapped a quick wrist shot, then sprinted across on speed blades.
6. The villain fired a heavy slap shot, then carved the ice on steel blades.
7. The villain zipped a sharp snap shot, then glided out on polymer blades.
8. The villain fired a heavy slap shot, then zoomed away on carbon blades.
9. The villain flipped a sneaky backhand shot, then carved the ice on steel blades.
10. The villain flipped a sneaky backhand shot, then sprinted across on speed blades.
11. The villain flipped a sneaky backhand shot, then zoomed away on carbon blades.
12. The villain blasted a fast one timer, then dashed off on titanium blades.

TEACHER / PARENT

Answer Key

The Case of the Missing Golden Puck

Culprit: Brad Marchand

Slap Shot · Steel Blades · Left Handed Grip · Blue Helmet · Megaphone Noise

Trail: Start 21 → Clue 1 20 → Clue 2 13 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE VILLAIN DOES NOT USE TITANIUM BLADES"

Round 292 to the nearest ten = 290 (T) · Round 71 to the nearest ten = 70 (B) · Round 372 to the nearest ten = 370 (L) · Round 1,709 to the nearest hundred = 1700 (N) · Round 232 to the nearest ten = 230 (V) · Round 860 to the nearest hundred = 900 (M) · Round 3,715 to the nearest hundred = 3700 (U) · Round 4,307 to the nearest hundred = 4300 (S) · Round 502 to the nearest hundred = 500 (E) · Round 94 to the nearest ten = 90 (D) · Round 2,312 to the nearest hundred = 2300 (I) · Round 2,872 to the nearest hundred = 2900 (H) · Round 9,097 to the nearest thousand = 9000 (A) · Round 52 to the nearest ten = 50 (O)

Clue 2 (Addition): "THE SUSPECT HELD THE STICK LEFT HANDED"

3520 + 6279 = 9799 (T) · 4502 + 2599 = 7101 (H) · 1104 + 1720 = 2824 (S) · 1591 + 3540 = 5131 (U) · 5738 + 2705 = 8443 (P) · 4213 + 2024 = 6237 (E) · 1732 + 1707 = 3439 (L) · 1761 + 4032 = 5793 (N) · 4723 + 4476 = 9199 (C) · 1067 + 961 = 2028 (F) · 1666 + 3353 = 5019 (A) · 2994 + 1482 = 4476 (D) · 5412 + 4221 = 9633 (K) · 4980 + 3146 = 8126 (I)

Clue 3 (Subtraction): "A LOUD MEGAPHONE NOISE DAZED THE SNEAK"

6226 - 3803 = 2423 (A) · 11330 - 4845 = 6485 (O) · 9776 - 1433 = 8343 (I) · 7142 - 1246 = 5896 (K) · 10225 - 4006 = 6219 (M) · 11027 - 3966 = 7061 (E) · 11390 - 3863 = 7527 (H) · 11577 - 3826 = 7751 (L) · 4463 - 1865 = 2598 (U) · 4296 - 3038 = 1258 (G) · 10689 - 3437 = 7252 (N) · 7436 - 3656 = 3780 (S) · 5302 - 3400 = 1902 (P) · 9581 - 1383 = 8198 (D) · 5157 - 742 = 4415 (Z) · 5568 - 378 = 5190 (T)

Clue 4 (Multiplication facts (1-12)): "BLUE HELMET STICKERS WERE FOUND ON ICE"

6 × 12 = 72 (B) · 8 × 5 = 40 (E) · 3 × 5 = 15 (O) · 9 × 9 = 81 (N) · 10 × 10 = 100 (U) · 8 × 8 = 64 (M) · 8 × 4 = 32 (D) · 7 × 5 = 35 (F) · 7 × 1 = 7 (S) · 6 × 11 = 66 (L) · 4 × 7 = 28 (W) · 5 × 6 = 30 (I) · 8 × 11 = 88 (T) · 1 × 10 = 10 (H) · 4 × 4 = 16 (K) · 6 × 1 = 6 (C) · 7 × 6 = 42 (R)

Clue 5 (Division facts (1-12)): surviving statement is box 6 → Brad Marchand

48 ÷ 6 = 8 · 121 ÷ 11 = 11 · 10 ÷ 10 = 1 · 50 ÷ 10 = 5 · 22 ÷ 11 = 2 · 33 ÷ 11 = 3 · 36 ÷ 3 = 12 · 63 ÷ 9 = 7 · 120 ÷ 12 = 10 · 40 ÷ 10 = 4 · 27 ÷ 3 = 9