The Great Rounders Robbery

Grade 5 math · Fractions of a number, Order of operations, Multiplication, Rounding, Division · Reading level grades 3-4

Detective: _____ **Date:** _____

The championship rounders ball has vanished from the equipment shed! We need to find the Pitch Poacher before the big game starts. Follow the clues across the pitch to save the day!

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 Pitch Poacher is _____

Possible suspects

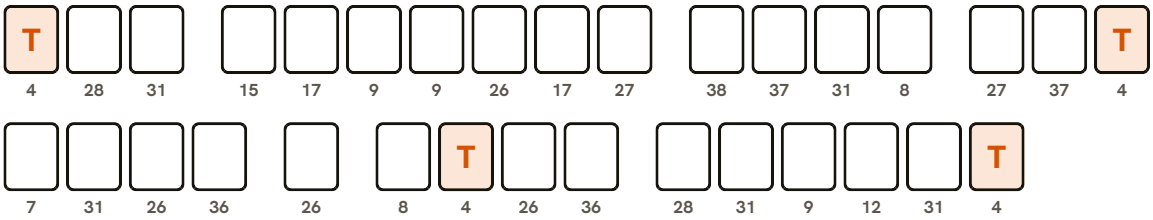
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	SIGNATURE MOVE	LUCKY GEAR	THROWING STYLE	CAP STYLE	SILLY DISTRACTION
Liam	Big Hit	Star Helmet	Left Handed	Blonde Curls	Flashing Cameras
Zack	Super Slide	Star Helmet	Left Handed	Red Ponytail	Loud Whistles
Benny	Super Slide	Spike Shoes	Left Handed	Red Ponytail	Loud Whistles
Sammy	Tricky Spin	Shiny Visor	Right Handed	Red Ponytail	Squeaky Toys
Alex	Deep Catch	Neon Wristband	Left Handed	Blonde Curls	Squeaky Toys
Violet	Super Slide	Star Helmet	Right Handed	Red Ponytail	Squeaky Toys
Katie	Big Hit	Neon Wristband	Left Handed	Black Braid	Loud Whistles
Ruby	Fast Pitch	Neon Wristband	Left Handed	Red Ponytail	Loud Whistles
Ella	Super Slide	Grip Gloves	Right Handed	Blonde Curls	Squeaky Toys
Yasmin	Deep Catch	Grip Gloves	Left Handed	Black Braid	Flashing Cameras
Archie	Big Hit	Grip Gloves	Right Handed	Red Ponytail	Loud Whistles
Olivia	Super Slide	Grip Gloves	Left Handed	Blonde Curls	Loud Whistles
Grace	Deep Catch	Star Helmet	Right Handed	Blonde Curls	Squeaky Toys
Noah	Deep Catch	Star Helmet	Right Handed	Red Ponytail	Loud Whistles
Harry	Big Hit	Shiny Visor	Left Handed	Black Braid	Flashing Cameras
Izzy	Deep Catch	Grip Gloves	Left Handed	Red Ponytail	Flashing Cameras
Chloe	Deep Catch	Neon Wristband	Left Handed	Red Ponytail	Loud Whistles
Peter	Fast Pitch	Shiny Visor	Left Handed	Red Ponytail	Loud Whistles
Toby	Deep Catch	Spike Shoes	Right Handed	Red Ponytail	Flashing Cameras
Will	Tricky Spin	Star Helmet	Left Handed	Blonde Curls	Flashing Cameras
Freddie	Tricky Spin	Grip Gloves	Left Handed	Blonde Curls	Flashing Cameras

CLUE 1 Fractions of a number

> The coach needs to count the clean bibs. A fraction of the whole pile is ready. Solve this fraction puzzle to see where the suspect ran.

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



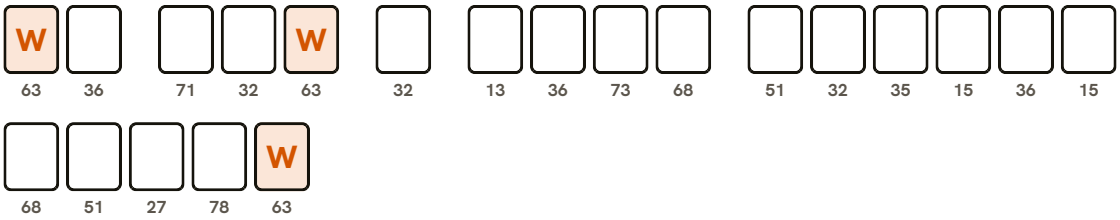
1/4 of 16 = ☐ → T	4/10 of 90 = ☐ → R	1/5 of 155 = ☐ → E
1/4 of 108 = ☐ → N	1/4 of 104 = ☐ → A	4/6 of 57 = ☐ → D
1/3 of 36 = ☐ → M	2/5 of 20 = ☐ → S	1/10 of 170 = ☐ → I
1/2 of 14 = ☐ → W	1/4 of 36 = ☐ → L	3/4 of 20 = ☐ → V
3/6 of 74 = ☐ → O	4/8 of 56 = ☐ → H	

Scratch space:

CLUE 2 Order of operations

> We have to sort the bat crates in the correct order. Solve this mixed math problem to find the muddy footprints near the home base.

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



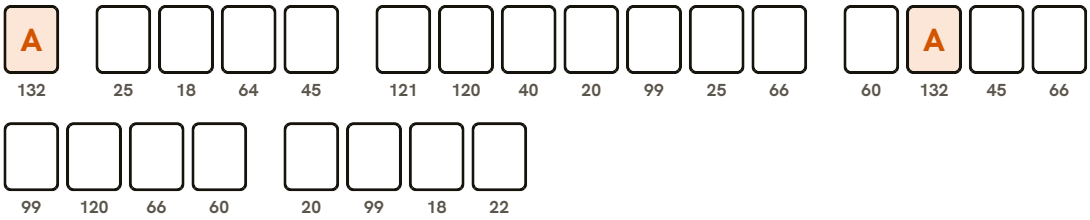
23 + 8 × 5 = ☐ → W	46 + 4 × 8 = ☐ → O	49 + 6 × 4 = ☐ → F
10 × 5 - 18 = ☐ → A	8 × 7 - 21 = ☐ → N	9 × 9 - 13 = ☐ → T
8 × 12 - 25 = ☐ → S	3 × 10 - 3 = ☐ → R	12 × 6 - 21 = ☐ → H
7 × 4 - 15 = ☐ → L	5 × 6 - 15 = ☐ → D	30 + 2 × 3 = ☐ → E

Scratch space:

CLUE 3 Multiplication facts (1-12)

> Each rounder team has several rows of practice balls. Multiply the rows to find out which clue was dropped in the grass.

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



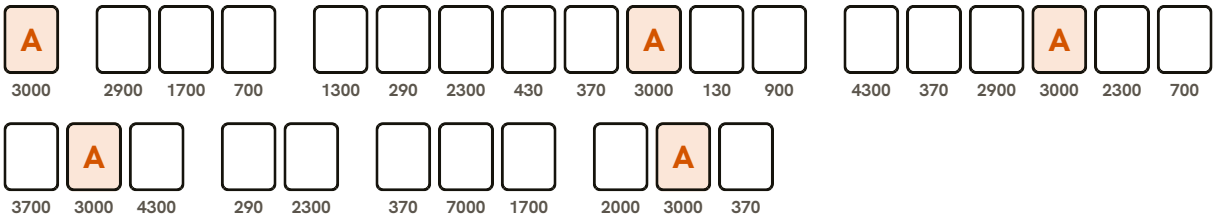
12 × 11 = ☐ → A	6 × 11 = ☐ → E	8 × 8 = ☐ → U
11 × 9 = ☐ → T	10 × 4 = ☐ → I	5 × 5 = ☐ → L
10 × 6 = ☐ → M	11 × 11 = ☐ → W	3 × 6 = ☐ → O
12 × 10 = ☐ → H	11 × 2 = ☐ → P	10 × 2 = ☐ → S
5 × 9 = ☐ → D		

Scratch space:

CLUE 4 Rounding

> The radar gun shows the pitch speed, but we must round it to the nearest ten. Round this number to decode the sneaky witness report.

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



Round 3,077 to the nearest thousand ☐ → **A**

Round 1,300 to the nearest hundred ☐ → **P**

Round 694 to the nearest hundred ☐ → **D**

Round 2,474 to the nearest thousand ☐ → **B**

Round 1,701 to the nearest hundred ☐ → **E**

Round 2,869 to the nearest hundred ☐ → **R**

Round 369 to the nearest ten ☐ → **T**

Round 4,338 to the nearest hundred ☐ → **S**

Round 293 to the nearest ten ☐ → **O**

Round 2,270 to the nearest hundred ☐ → **N**

Round 3,666 to the nearest hundred ☐ → **W**

Round 7,391 to the nearest thousand ☐ → **H**

Round 133 to the nearest ten ☐ → **I**

Round 866 to the nearest hundred ☐ → **L**

Round 426 to the nearest ten ☐ → **Y**

Scratch space:

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

> Let's share the orange slices equally among the fielders. Divide the snack pile to get the final clue about the thief.

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:

10 ÷ 5 = ☐	20 ÷ 4 = ☐	48 ÷ 4 = ☐	12 ÷ 3 = ☐	77 ÷ 11 = ☐
72 ÷ 9 = ☐	22 ÷ 2 = ☐	50 ÷ 5 = ☐	11 ÷ 11 = ☐	33 ÷ 11 = ☐
18 ÷ 2 = ☐				

Step 2 - cross out the sentence with each answer:

1. The villain hits a massive rounder, then ties up some muddy spike shoes.
2. The villain leaps for a deep catch, then wipes a neon wristband.
3. The villain slides into third base, then wipes a neon wristband.
4. The villain hits a massive rounder, then polishes a shiny visor.
5. The villain slides into third base, then ties up some muddy spike shoes.
6. The villain pitches a blazing ball, then polishes a shiny visor.
7. The villain pitches a blazing ball, then ties up some muddy spike shoes.
8. The villain throws a tricky spin ball, then snaps on a star helmet.
9. The villain pitches a blazing ball, then adjusts some tight grip gloves.
10. The villain throws a tricky spin ball, then wipes a neon wristband.
11. The villain leaps for a deep catch, then ties up some muddy spike shoes.
12. The villain pitches a blazing ball, then wipes a neon wristband.

TEACHER / PARENT

Answer Key

The Great Rounders Robbery

Culprit: Peter

Fast Pitch · Shiny Visor · Left Handed · Red Ponytail · Loud Whistles

Trail: Start 21 → Clue 1 15 → Clue 2 11 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Fractions of a number): "THE VILLAIN DOES NOT WEAR A STAR HELMET"

1/4 of 16 = 4 (T) · 4/10 of 90 = 36 (R) · 1/5 of 155 = 31 (E) · 1/4 of 108 = 27 (N) · 1/4 of 104 = 26 (A) · 4/6 of 57 = 38 (D) · 1/3 of 36 = 12 (M) · 2/5 of 20 = 8 (S) · 1/10 of 170 = 17 (I) · 1/2 of 14 = 7 (W) · 1/4 of 36 = 9 (L) · 3/4 of 20 = 15 (V) · 3/6 of 74 = 37 (O) · 4/8 of 56 = 28 (H)

Clue 2 (Order of operations): "WE SAW A LEFT HANDED THROW"

23 + 8 × 5 = 63 (W) · 46 + 4 × 8 = 78 (O) · 49 + 6 × 4 = 73 (F) · 10 × 5 - 18 = 32 (A) · 8 × 7 - 21 = 35 (N) · 9 × 9 - 13 = 68 (T) · 8 × 12 - 25 = 71 (S) · 3 × 10 - 3 = 27 (R) · 12 × 6 - 21 = 51 (H) · 7 × 4 - 15 = 13 (L) · 5 × 6 - 15 = 15 (D) · 30 + 2 × 3 = 36 (E)

Clue 3 (Multiplication facts (1-12)): "A LOUD WHISTLE MADE THEM STOP"

12 × 11 = 132 (A) · 6 × 11 = 66 (E) · 8 × 8 = 64 (U) · 11 × 9 = 99 (T) · 10 × 4 = 40 (I) · 5 × 5 = 25 (L) · 10 × 6 = 60 (M) · 11 × 11 = 121 (W) · 3 × 6 = 18 (O) · 12 × 10 = 120 (H) · 11 × 2 = 22 (P) · 10 × 2 = 20 (S) · 5 × 9 = 45 (D)

Clue 4 (Rounding): "A RED PONYTAIL STRAND WAS ON THE BAT"

Round 3,077 to the nearest thousand = 3000 (A) · Round 1,300 to the nearest hundred = 1300 (P) · Round 694 to the nearest hundred = 700 (D) · Round 2,474 to the nearest thousand = 2000 (B) · Round 1,701 to the nearest hundred = 1700 (E) · Round 2,869 to the nearest hundred = 2900 (R) · Round 369 to the nearest ten = 370 (T) · Round 4,338 to the nearest hundred = 4300 (S) · Round 293 to the nearest ten = 290 (O) · Round 2,270 to the nearest hundred = 2300 (N) · Round 3,666 to the nearest hundred = 3700 (W) · Round 7,391 to the nearest thousand = 7000 (H) · Round 133 to the nearest ten = 130 (I) · Round 866 to the nearest hundred = 900 (L) · Round 426 to the nearest ten = 430 (Y)

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

10 ÷ 5 = 2 · 20 ÷ 4 = 5 · 48 ÷ 4 = 12 · 12 ÷ 3 = 4 · 77 ÷ 11 = 7 · 72 ÷ 9 = 8 · 22 ÷ 2 = 11 · 50 ÷ 5 = 10 · 11 ÷ 11 = 1 · 33 ÷ 11 = 3 · 18 ÷ 2 = 9