The Great Locker Room Prankster

Grade 6 math · Addition, Multiplication, Subtraction, Percentages, Division · Reading level grades 5-6

Detective: _____ **Date:** _____

Someone swiped the official school trophy right before Friday's big assembly and left a trail of sticky sticky-notes down the hallway. Solve the math clues to uncover which student prankster committed 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 Hallway Prankster is _____

Possible suspects

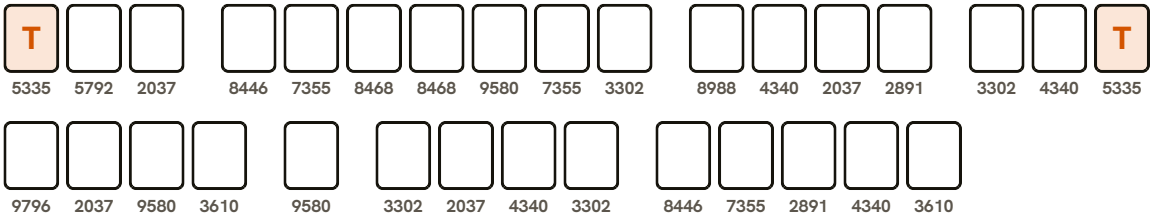
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	SIGNATURE DEVICE	DISGUISE ITEM	WATCH PLACEMENT	HAIRCUT	CAUGHT BY
Sawyer Stone	Confetti Cannon	Oversized Hoodie	Right Wrist Watch	Spiky Buzz	Hall Monitor Tape
Harper Lee	Confetti Cannon	Fake Mustache	Left Wrist Watch	Spiky Buzz	Hall Monitor Tape
Taylor Swift	Mega Megaphone	Mascot Mask	Right Wrist Watch	Curly Top	Hall Monitor Tape
Finley Scott	Chalk Launcher	Oversized Hoodie	Left Wrist Watch	Spiky Buzz	Squeaky Floorboard
Riley Davis	Squeaky Shoes	Mascot Mask	Right Wrist Watch	Spiky Buzz	Hall Monitor Tape
Skyler White	Squeaky Shoes	Giant Backpack	Left Wrist Watch	Curly Top	Hall Monitor Tape
Kai Tanaka	Mega Megaphone	Neon Visor	Left Wrist Watch	Curly Top	Cafeteria Bell
Casey Jordan	Mega Megaphone	Oversized Hoodie	Right Wrist Watch	Spiky Buzz	Hall Monitor Tape
Lennon Cruz	Laser Pointer	Giant Backpack	Left Wrist Watch	Sleek Ponytail	Cafeteria Bell
Alex Rivera	Squeaky Shoes	Mascot Mask	Left Wrist Watch	Spiky Buzz	Hall Monitor Tape
Rory Gilmore	Laser Pointer	Neon Visor	Left Wrist Watch	Sleek Ponytail	Squeaky Floorboard
Morgan Vance	Chalk Launcher	Neon Visor	Left Wrist Watch	Curly Top	Cafeteria Bell
Jordan Lee	Laser Pointer	Giant Backpack	Right Wrist Watch	Spiky Buzz	Hall Monitor Tape
Reese Witherspoon	Chalk Launcher	Neon Visor	Right Wrist Watch	Spiky Buzz	Hall Monitor Tape
Rowan Miller	Mega Megaphone	Oversized Hoodie	Right Wrist Watch	Curly Top	Squeaky Floorboard
Emerson Reed	Squeaky Shoes	Oversized Hoodie	Right Wrist Watch	Curly Top	Cafeteria Bell
Shiloh Adams	Chalk Launcher	Fake Mustache	Left Wrist Watch	Curly Top	Cafeteria Bell
Avery Brooks	Chalk Launcher	Fake Mustache	Left Wrist Watch	Spiky Buzz	Squeaky Floorboard
Quinn Parker	Mega Megaphone	Mascot Mask	Left Wrist Watch	Spiky Buzz	Squeaky Floorboard
Ellis Bell	Mega Megaphone	Fake Mustache	Left Wrist Watch	Spiky Buzz	Squeaky Floorboard
Peyton Manning	Mega Megaphone	Giant Backpack	Right Wrist Watch	Spiky Buzz	Cafeteria Bell

CLUE 1 Addition

To count up all the missing hall passes collected around the locker rooms, the hall monitor tallied them up.

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



3414 + 1921 = ☐ → T

3502 + 3853 = ☐ → I

2995 + 2797 = ☐ → H

3522 + 5466 = ☐ → D

1569 + 1733 = ☐ → N

1845 + 1765 = ☐ → R

1112 + 925 = ☐ → E

4577 + 3869 = ☐ → V

5062 + 4734 = ☐ → W

3272 + 6308 = ☐ → A

1702 + 2638 = ☐ → O

1782 + 1109 = ☐ → S

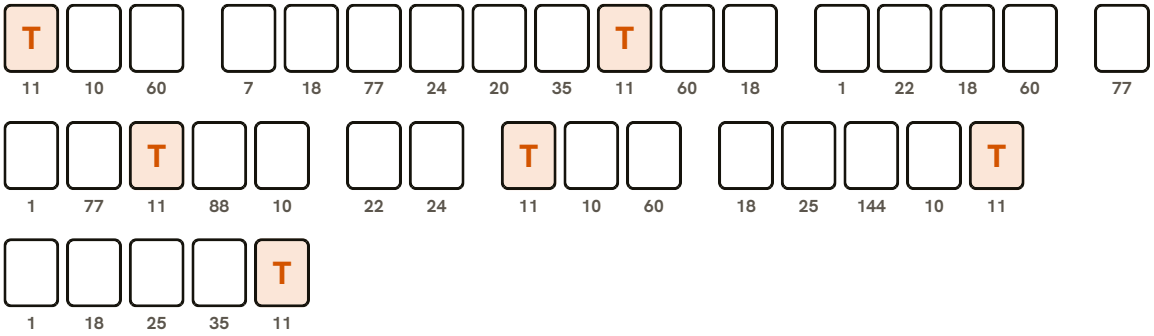
4729 + 3739 = ☐ → L

Scratch space:

CLUE 2 Multiplication facts (1-12)

The science teacher arranged the lab supplies into equal rows across the lab tables to check for missing gear.

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



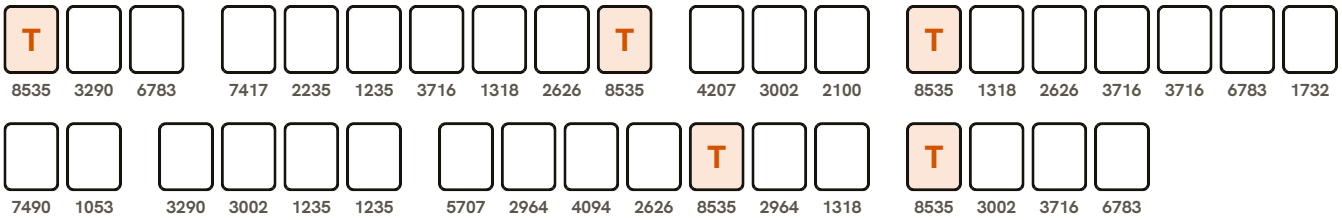
1 × 11 = ☐ → T	1 × 1 = ☐ → W	4 × 5 = ☐ → K	7 × 1 = ☐ → P
5 × 2 = ☐ → H	2 × 11 = ☐ → O	5 × 5 = ☐ → I	
7 × 11 = ☐ → A	7 × 5 = ☐ → S	5 × 12 = ☐ → E	
12 × 2 = ☐ → N	11 × 8 = ☐ → C	12 × 12 = ☐ → G	
3 × 6 = ☐ → R			

Scratch space:

CLUE 3 Subtraction

> Comparing the total cafeteria trays before lunch to what remained after the commotion showed how many vanished.

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



13118 - 4583 = ☐ → **T**

2666 - 934 = ☐ → **D**

10391 - 4684 = ☐ → **M**

2989 - 25 = ☐ → **O**

4573 - 3255 = ☐ → **R**

9084 - 2301 = ☐ → **E**

4062 - 1060 = ☐ → **A**

5214 - 2588 = ☐ → **I**

4689 - 3454 = ☐ → **L**

7761 - 344 = ☐ → **C**

4378 - 171 = ☐ → **W**

5065 - 4012 = ☐ → **Y**

7018 - 3302 = ☐ → **P**

5264 - 3029 = ☐ → **U**

9197 - 1707 = ☐ → **B**

3307 - 1207 = ☐ → **S**

4145 - 51 = ☐ → **N**

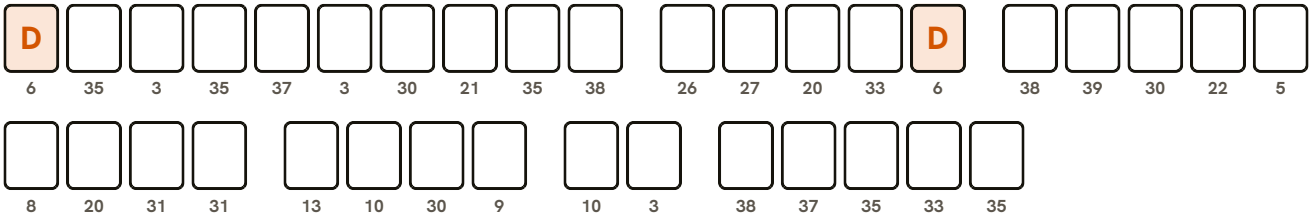
4720 - 1430 = ☐ → **H**

Scratch space:

CLUE 4 Percentages

The principal analyzed the percentage of students who witnessed the hallway disruption in the main foyer.

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



40% of 15 = ☐ → D

25% of 36 = ☐ → R

25% of 152 = ☐ → S

5% of 420 = ☐ → V

10% of 80 = ☐ → B

50% of 26 = ☐ → H

10% of 350 = ☐ → E

50% of 44 = ☐ → K

10% of 50 = ☐ → Y

10% of 390 = ☐ → P

5% of 660 = ☐ → N

5% of 60 = ☐ → T

20% of 185 = ☐ → C

20% of 100 = ☐ → U

20% of 155 = ☐ → Z

25% of 108 = ☐ → O

50% of 60 = ☐ → I

10% of 260 = ☐ → F

10% of 100 = ☐ → A

Scratch space:

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

> The student council split the remaining detention slips equally among five teacher mailboxes to inspect them.

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:

25 ÷ 5 = ☐	110 ÷ 10 = ☐	3 ÷ 3 = ☐	30 ÷ 10 = ☐	40 ÷ 10 = ☐
81 ÷ 9 = ☐	24 ÷ 2 = ☐	42 ÷ 6 = ☐	8 ÷ 1 = ☐	24 ÷ 4 = ☐
8 ÷ 4 = ☐				

Step 2 - cross out the sentence with each answer:

1. The villain blared a mega megaphone, then hid inside an oversized hoodie.
2. The villain blared a mega megaphone, then attached a fake mustache.
3. The villain flashed a laser pointer, then hid inside an oversized hoodie.
4. The villain fired a chalk launcher, then adjusted a neon visor.
5. The villain flashed a laser pointer, then zipped up a giant backpack.
6. The villain blared a mega megaphone, then adjusted a neon visor.
7. The villain blasted a confetti cannon, then zipped up a giant backpack.
8. The villain snuck in squeaky shoes, then hid inside an oversized hoodie.
9. The villain flashed a laser pointer, then attached a fake mustache.
10. The villain snuck in squeaky shoes, then pulled down a mascot mask.
11. The villain blasted a confetti cannon, then hid inside an oversized hoodie.
12. The villain blasted a confetti cannon, then pulled down a mascot mask.

TEACHER / PARENT

Answer Key

The Great Locker Room Prankster

Culprit: Riley Davis

Squeaky Shoes · Mascot Mask · Right Wrist Watch · Spiky Buzz · Hall Monitor Tape

Trail: Start 21 → Clue 1 17 → Clue 2 8 → Clue 3 5 → Clue 4 4 → Clue 5 1

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

3414 + 1921 = 5335 (T) · 3502 + 3853 = 7355 (I) · 2995 + 2797 = 5792 (H) · 3522 + 5466 = 8988 (D) · 1569 + 1733 = 3302 (N) · 1845 + 1765 = 3610 (R) · 1112 + 925 = 2037 (E) · 4577 + 3869 = 8446 (V) · 5062 + 4734 = 9796 (W) · 3272 + 6308 = 9580 (A) · 1702 + 2638 = 4340 (O) · 1782 + 1109 = 2891 (S) · 4729 + 3739 = 8468 (L)

Clue 2 (Multiplication facts (1-12)): "THE PRANKSTER WORE A WATCH ON THE RIGHT WRIST"

1 × 11 = 11 (T) · 1 × 1 = 1 (W) · 4 × 5 = 20 (K) · 7 × 1 = 7 (P) · 5 × 2 = 10 (H) · 2 × 11 = 22 (O) · 5 × 5 = 25 (I) · 7 × 11 = 77 (A) · 7 × 5 = 35 (S) · 5 × 12 = 60 (E) · 12 × 2 = 24 (N) · 11 × 8 = 88 (C) · 12 × 12 = 144 (G) · 3 × 6 = 18 (R)

Clue 3 (Subtraction): "THE CULPRIT WAS TRIPPED BY HALL MONITOR TAPE"

13118 - 4583 = 8535 (T) · 2666 - 934 = 1732 (D) · 10391 - 4684 = 5707 (M) · 2989 - 25 = 2964 (O) · 4573 - 3255 = 1318 (R) · 9084 - 2301 = 6783 (E) · 4062 - 1060 = 3002 (A) · 5214 - 2588 = 2626 (I) · 4689 - 3454 = 1235 (L) · 7761 - 344 = 7417 (C) · 4378 - 171 = 4207 (W) · 5065 - 4012 = 1053 (Y) · 7018 - 3302 = 3716 (P) · 5264 - 3029 = 2235 (U) · 9197 - 1707 = 7490 (B) · 3307 - 1207 = 2100 (S) · 4145 - 51 = 4094 (N) · 4720 - 1430 = 3290 (H)

Clue 4 (Percentages): "DETECTIVES FOUND SPIKY BUZZ HAIR AT SCENE"

40% of 15 = 6 (D) · 25% of 36 = 9 (R) · 25% of 152 = 38 (S) · 5% of 420 = 21 (V) · 10% of 80 = 8 (B) · 50% of 26 = 13 (H) · 10% of 350 = 35 (E) · 50% of 44 = 22 (K) · 10% of 50 = 5 (Y) · 10% of 390 = 39 (P) · 5% of 660 = 33 (N) · 5% of 60 = 3 (T) · 20% of 185 = 37 (C) · 20% of 100 = 20 (U) · 20% of 155 = 31 (Z) · 25% of 108 = 27 (O) · 50% of 60 = 30 (I) · 10% of 260 = 26 (F) · 10% of 100 = 10 (A)

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

25 ÷ 5 = 5 · 110 ÷ 10 = 11 · 3 ÷ 3 = 1 · 30 ÷ 10 = 3 · 40 ÷ 10 = 4 · 81 ÷ 9 = 9 · 24 ÷ 2 = 12 · 42 ÷ 6 = 7 · 8 ÷ 1 = 8 · 24 ÷ 4 = 6 · 8 ÷ 4 = 2