The Great Thanksgiving Parade Mystery

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

Detective: _____ **Date:** _____

The annual Harvest Valley Thanksgiving Parade was about to start when someone ruined the floating displays and swiped the holiday dishes! Solve the math clues and use your detective grid to catch the culprit before dinner.

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 The Feast Foil is _____

Possible suspects

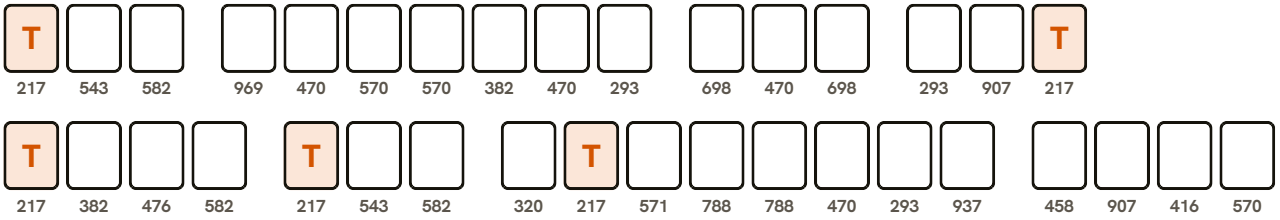
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	PARADE STUNT	FEAST DISH	GLOVE HAND	HAT FEATHER	PARADE TRAP
Ranger Rita	Gobble Calling	Cranberry Sauce	Right Glove	Brown Feather	Loud Horn
Carver Bob	Drum Beating	Stuffing Bowl	Left Glove	Red Feather	Turkey Call
Marshal Matt	Float Hoisting	Stuffing Bowl	Left Glove	Red Feather	Turkey Call
Chef Priscilla	Gobble Calling	Cranberry Sauce	Left Glove	Red Feather	Loud Horn
Helper Hank	Ribbon Flying	Cranberry Sauce	Left Glove	Gold Feather	Turkey Call
Captain Connie	Gobble Calling	Stuffing Bowl	Right Glove	Red Feather	Turkey Call
Officer Olivia	Drum Beating	Pumpkin Pie	Right Glove	Brown Feather	Turkey Call
Baker Billy	Pie Slingshot	Pumpkin Pie	Left Glove	Red Feather	Turkey Call
Baker Betsy	Float Hoisting	Mashed Potatoes	Left Glove	Brown Feather	Turkey Call
Scout Sam	Float Hoisting	Gravy Boat	Right Glove	Red Feather	Turkey Call
Scout Sarah	Float Hoisting	Pumpkin Pie	Left Glove	Gold Feather	Turkey Call
Builder Ben	Gobble Calling	Pumpkin Pie	Right Glove	Brown Feather	Loud Horn
Driver Dan	Gobble Calling	Pumpkin Pie	Right Glove	Brown Feather	Turkey Call
Farmer Frank	Float Hoisting	Gravy Boat	Left Glove	Red Feather	Giant Whistle
Mayor Gobbler	Gobble Calling	Stuffing Bowl	Left Glove	Gold Feather	Loud Horn
Flute Fiona	Gobble Calling	Gravy Boat	Left Glove	Brown Feather	Giant Whistle
Pilgrim Pete	Gobble Calling	Pumpkin Pie	Left Glove	Red Feather	Turkey Call
Guard Grace	Ribbon Flying	Mashed Potatoes	Left Glove	Red Feather	Loud Horn
Piper Penny	Gobble Calling	Mashed Potatoes	Right Glove	Red Feather	Turkey Call
Holly Harvest	Ribbon Flying	Cranberry Sauce	Left Glove	Red Feather	Turkey Call
Miller Mike	Ribbon Flying	Gravy Boat	Left Glove	Red Feather	Turkey Call

CLUE 1 Addition

To count the total number of floats lined up along the parade route, we add up all the sections.

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



152 + 65 = ☐ → T

163 + 130 = ☐ → N

364 + 218 = ☐ → E

238 + 305 = ☐ → H

160 + 222 = ☐ → A

182 + 276 = ☐ → B

216 + 355 = ☐ → U

333 + 237 = ☐ → L

283 + 133 = ☐ → W

586 + 383 = ☐ → V

179 + 297 = ☐ → K

406 + 531 = ☐ → G

608 + 299 = ☐ → O

169 + 301 = ☐ → I

183 + 137 = ☐ → S

426 + 272 = ☐ → D

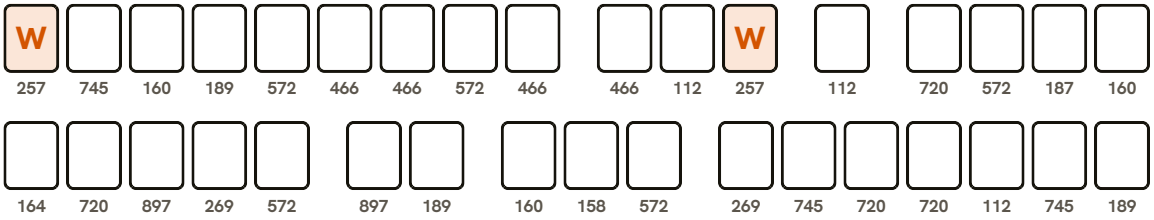
345 + 443 = ☐ → F

Scratch space:

CLUE 2 Subtraction

The director calculates how many pumpkin pies are left after subtracting the missing ones.

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



266 - 9 = ☐ → W

447 - 178 = ☐ → V

381 - 221 = ☐ → T

903 - 6 = ☐ → O

358 - 200 = ☐ → H

864 - 292 = ☐ → E

956 - 211 = ☐ → I

241 - 52 = ☐ → N

984 - 264 = ☐ → L

311 - 124 = ☐ → F

512 - 348 = ☐ → G

272 - 160 = ☐ → A

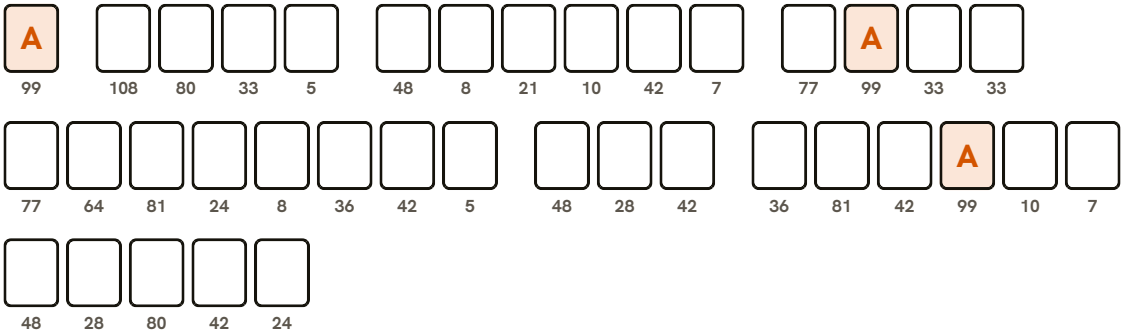
648 - 182 = ☐ → S

Scratch space:

CLUE 3 Multiplication facts (1-12)

We check the stadium seats by multiplying the number of rows by the seats in each row.

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



9 × 11 = ☐ → A

1 × 5 = ☐ → D

12 × 9 = ☐ → W

7 × 3 = ☐ → R

12 × 4 = ☐ → T

8 × 1 = ☐ → U

10 × 8 = ☐ → I

9 × 9 = ☐ → N

8 × 8 = ☐ → O

1 × 7 = ☐ → Y

5 × 2 = ☐ → K

3 × 11 = ☐ → L

6 × 7 = ☐ → E

7 × 4 = ☐ → H

11 × 7 = ☐ → C

8 × 3 = ☐ → F

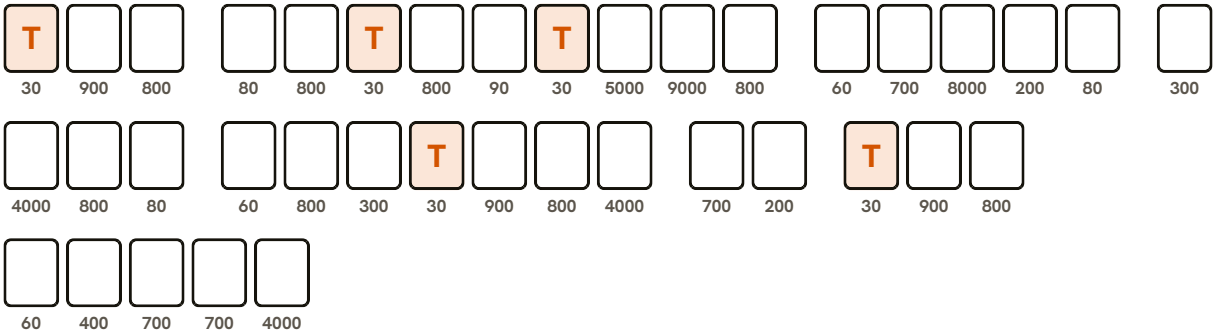
12 × 3 = ☐ → S

Scratch space:

CLUE 4 Rounding

The digital parade speed sign only shows rounded numbers when tracking the runaway kart.

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



Round 30 to the nearest ten ☐ → T

Round 829 to the nearest hundred ☐ → E

Round 418 to the nearest hundred ☐ → L

Round 862 to the nearest hundred ☐ → H

Round 8,610 to the nearest thousand ☐ → V

Round 731 to the nearest hundred ☐ → O

Round 78 to the nearest ten ☐ → D

Round 247 to the nearest hundred ☐ → N

Round 8,048 to the nearest thousand ☐ → U

Round 5,138 to the nearest thousand ☐ → I

Round 88 to the nearest ten ☐ → C

Round 3,537 to the nearest thousand ☐ → R

Round 298 to the nearest hundred ☐ → A

Round 63 to the nearest ten ☐ → F

Scratch space:

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

> To share the clue folders fairly among detective teams, we divide them into equal piles.

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:

12 ÷ 12 = ☐	88 ÷ 8 = ☐	3 ÷ 1 = ☐	4 ÷ 2 = ☐	28 ÷ 7 = ☐
40 ÷ 5 = ☐	60 ÷ 5 = ☐	80 ÷ 8 = ☐	12 ÷ 2 = ☐	35 ÷ 5 = ☐
90 ÷ 10 = ☐				

Step 2 - cross out the sentence with each answer:

1. The villain soared on high silk ribbons, then spilled the cranberry sauce.
2. The villain hoisted the giant parade float, then scooped the mashed potatoes.
3. The villain soared on high silk ribbons, then splashed the gravy boat.
4. The villain soared on high silk ribbons, then snatched the stuffing bowl.
5. The villain flung sweet pies into the crowd, then snagged the pumpkin pie.
6. The villain soared on high silk ribbons, then scooped the mashed potatoes.
7. The villain rattled the loud march drums, then splashed the gravy boat.
8. The villain squawked with a gobble caller, then scooped the mashed potatoes.
9. The villain hoisted the giant parade float, then splashed the gravy boat.
10. The villain rattled the loud march drums, then scooped the mashed potatoes.
11. The villain squawked with a gobble caller, then snagged the pumpkin pie.
12. The villain squawked with a gobble caller, then splashed the gravy boat.

TEACHER / PARENT

Answer Key

The Great Thanksgiving Parade Mystery

Culprit: Baker Billy

Pie Slingshot · Pumpkin Pie · Left Glove · Red Feather · Turkey Call

Trail: Start 21 → Clue 1 17 → Clue 2 11 → Clue 3 7 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE VILLAIN DID NOT TAKE THE STUFFING BOWL"

152 + 65 = 217 (T) · 163 + 130 = 293 (N) · 364 + 218 = 582 (E) · 238 + 305 = 543 (H) · 160 + 222 = 382 (A) · 182 + 276 = 458 (B) · 216 + 355 = 571 (U) · 333 + 237 = 570 (L) · 283 + 133 = 416 (W) · 586 + 383 = 969 (V) · 179 + 297 = 476 (K) · 406 + 531 = 937 (G) · 608 + 299 = 907 (O) · 169 + 301 = 470 (I) · 183 + 137 = 320 (S) · 426 + 272 = 698 (D) · 345 + 443 = 788 (F)

Clue 2 (Subtraction): "WITNESSES SAW A LEFT GLOVE ON THE VILLAIN"

266 - 9 = 257 (W) · 447 - 178 = 269 (V) · 381 - 221 = 160 (T) · 903 - 6 = 897 (O) · 358 - 200 = 158 (H) · 864 - 292 = 572 (E) · 956 - 211 = 745 (I) · 241 - 52 = 189 (N) · 984 - 264 = 720 (L) · 311 - 124 = 187 (F) · 512 - 348 = 164 (G) · 272 - 160 = 112 (A) · 648 - 182 = 466 (S)

Clue 3 (Multiplication facts (1-12)): "A WILD TURKEY CALL CONFUSED THE SNEAKY THIEF"

9 × 11 = 99 (A) · 1 × 5 = 5 (D) · 12 × 9 = 108 (W) · 7 × 3 = 21 (R) · 12 × 4 = 48 (T) · 8 × 1 = 8 (U) · 10 × 8 = 80 (I) · 9 × 9 = 81 (N) · 8 × 8 = 64 (O) · 1 × 7 = 7 (Y) · 5 × 2 = 10 (K) · 3 × 11 = 33 (L) · 6 × 7 = 42 (E) · 7 × 4 = 28 (H) · 11 × 7 = 77 (C) · 8 × 3 = 24 (F) · 12 × 3 = 36 (S)

Clue 4 (Rounding): "THE DETECTIVE FOUND A RED FEATHER ON THE FLOOR"

Round 30 to the nearest ten = 30 (T) · Round 829 to the nearest hundred = 800 (E) · Round 418 to the nearest hundred = 400 (L) · Round 862 to the nearest hundred = 900 (H) · Round 8,610 to the nearest thousand = 9000 (V) · Round 731 to the nearest hundred = 700 (O) · Round 78 to the nearest ten = 80 (D) · Round 247 to the nearest hundred = 200 (N) · Round 8,048 to the nearest thousand = 8000 (U) · Round 5,138 to the nearest thousand = 5000 (I) · Round 88 to the nearest ten = 90 (C) · Round 3,537 to the nearest thousand = 4000 (R) · Round 298 to the nearest hundred = 300 (A) · Round 63 to the nearest ten = 60 (F)

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

12 ÷ 12 = 1 · 88 ÷ 8 = 11 · 3 ÷ 1 = 3 · 4 ÷ 2 = 2 · 28 ÷ 7 = 4 · 40 ÷ 5 = 8 · 60 ÷ 5 = 12 · 80 ÷ 8 = 10 · 12 ÷ 2 = 6 · 35 ÷ 5 = 7 · 90 ÷ 10 = 9