



The Great Cranberry Trophy Caper

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

Detective: _____ Date: _____

The annual Thanksgiving Parade is in big trouble! Just before the march began, someone snatched the shiny Golden Cranberry Trophy right off the lead float. The thief left behind a trail of feathers and spilled gravy. The Acorn Patrol needs your help to crack the case, track down the rogue turkey, and save Thanksgiving!

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 Feast Bandit is _____

Possible suspects

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

NAME	TURKEY SPECIALITY	SECRET GEAR	GOBBLE STYLE	TAIL FEATHERS	BIGGEST SCARE
Miles Standish	Stuffing Shield	Feathery Glider	Soft Gobble	Copper Brown	Loud Horns
Priscilla Peck	Pumpkin Bomb	Maple Shoes	Soft Gobble	Golden Yellow	Bright Flash
Maizey Miller	Pumpkin Bomb	Maple Shoes	Soft Gobble	Golden Yellow	Loud Horns
Gerald Gible	Stuffing Shield	Berry Blaster	Soft Gobble	Copper Brown	Loud Horns
Squashy Smith	Gravy Glide	Berry Blaster	Loud Gobble	Golden Yellow	Loud Horns
Wobble Wing	Pumpkin Bomb	Berry Blaster	Loud Gobble	Golden Yellow	Squeaky Toys
Hunter Harvest	Wishbone Whip	Maple Shoes	Loud Gobble	Golden Yellow	Loud Horns
Barnaby Birch	Pumpkin Bomb	Corn Husk Cape	Soft Gobble	Golden Yellow	Squeaky Toys
Gourdy Green	Stuffing Shield	Maple Shoes	Loud Gobble	Copper Brown	Bright Flash
Tom Featherly	Cranberry Cannon	Corn Husk Cape	Soft Gobble	Golden Yellow	Loud Horns
Flapjack Fred	Cranberry Cannon	Feathery Glider	Soft Gobble	Copper Brown	Squeaky Toys
Clementine Corn	Pumpkin Bomb	Corn Husk Cape	Soft Gobble	Golden Yellow	Loud Horns
Clover Cluck	Gravy Glide	Berry Blaster	Soft Gobble	Bright Bronze	Bright Flash
Pilgrim Pete	Pumpkin Bomb	Corn Husk Cape	Soft Gobble	Golden Yellow	Bright Flash
Timothy Tuft	Cranberry Cannon	Feathery Glider	Soft Gobble	Golden Yellow	Loud Horns
Sheriff Stuffing	Cranberry Cannon	Maple Shoes	Loud Gobble	Copper Brown	Loud Horns
Mayor Cranberry	Pumpkin Bomb	Acorn Armor	Loud Gobble	Bright Bronze	Bright Flash
Gobbler Gary	Gravy Glide	Berry Blaster	Soft Gobble	Golden Yellow	Loud Horns
Alden Acorn	Pumpkin Bomb	Feathery Glider	Loud Gobble	Golden Yellow	Squeaky Toys
Chef Gravy	Stuffing Shield	Berry Blaster	Loud Gobble	Bright Bronze	Bright Flash
Rusty Maple	Stuffing Shield	Maple Shoes	Soft Gobble	Copper Brown	Bright Flash

CLUE 1

A scout estimated the suspect's distance. The radar screen only shows numbers rounded to the nearest ten. Let us check the map to find the trail!

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

The diagram illustrates a sequence of numbers arranged in two rows. The top row contains 12 boxes, and the bottom row contains 12 boxes. Some boxes are shaded orange and contain the letter 'T', indicating a transition point. The numbers below the boxes are:

Row 1: 90, 700, 30, 400, 500, 60, 7000, 4000, 90, 7000, 200, 30, 40, 60, 200, 90, 6000, 40, 30.

Row 2: 500, 70, 30, 500, 90, 700, 30, 800, 9000, 600, 2000, 4000, 7000, 30, 800.

Round 93 to the nearest ten $\rightarrow$ **T**

Round 34 to the nearest ten $\rightarrow$ **E**

Round 171 to the nearest hundred $\rightarrow$

Round 600 to the nearest hundred $\rightarrow$ **G**

Round 3,551 to the nearest thousand $\rightarrow$

Round 40 to the nearest ten $\rightarrow$ **S**

Round 8,999 to the nearest thousand → **Y**

Round 483 to the nearest hundred → **A**

Round 6,930 to the nearest thousand → **D**

Round 681 to the nearest hundred $\rightarrow$ **H**

Round 1,921 to the nearest thousand → **L**

Round 67 to the nearest ten $\rightarrow$ **F**

Round 436 to the nearest hundred $\rightarrow$ **B**

Round 819 to the nearest hundred $\rightarrow$ **R**

Round 62 to the nearest ten → **N**

Round 6,077 to the nearest thousand → **U**

Scratch space:

CLUE 2 Addition

We found two piles of dropped acorns near the parade float. To find the total count of the mess, we must add them together.

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

T																			
576	873	289	351	263	351	657	289	254	576	656	483	699	324	933	350	730	289	351	
				T															
350	351	656	320	576	249	656	932	932	699	289									

$$368 + 208 = \boxed{} \rightarrow \boxed{\text{T}}$$

$$171 + 83 = \boxed{} \rightarrow \boxed{\text{C}}$$

$$630 + 302 = \boxed{} \rightarrow \boxed{\text{B}}$$

$$476 + 457 = \boxed{} \rightarrow \boxed{\text{M}}$$

$$154 + 109 = \boxed{} \rightarrow \boxed{\text{U}}$$

$$87 + 202 = \boxed{} \rightarrow \boxed{\text{E}}$$

$$186 + 165 = \boxed{} \rightarrow \boxed{\text{S}}$$

$$114 + 135 = \boxed{} \rightarrow \boxed{\text{G}}$$

$$96 + 224 = \boxed{} \rightarrow \boxed{\text{F}}$$

$$151 + 173 = \boxed{} \rightarrow \boxed{\text{Y}}$$

$$378 + 495 = \boxed{} \rightarrow \boxed{\text{H}}$$

$$283 + 416 = \boxed{} \rightarrow \boxed{\text{L}}$$

$$391 + 265 = \boxed{} \rightarrow \boxed{\text{O}}$$

$$129 + 221 = \boxed{} \rightarrow \boxed{\text{A}}$$

$$433 + 297 = \boxed{} \rightarrow \boxed{\text{K}}$$

$$184 + 299 = \boxed{} \rightarrow \boxed{\text{N}}$$

$$337 + 320 = \boxed{} \rightarrow \boxed{\text{P}}$$

Scratch space:

CLUE 3 Subtraction

The thief stole some prize pumpkins from the display. We need to subtract the leftover pumpkins from the original pile to see how many are gone.

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

T			T															
559	620	621	559	620	548	621	762	347	328	232	762	347	227	352	401	227	542	747

						T	T					T	
620	227	347	232	678	328	559	559	620	621	669	328	559	621

695 - 136 = → T	750 - 349 = → L	799 - 251 = → I
715 - 37 = → S	447 - 220 = → O	410 - 82 = → A
791 - 171 = → H	1019 - 350 = → G	895 - 274 = → E
1070 - 308 = → F	707 - 360 = → R	647 - 105 = → U
1053 - 306 = → D	596 - 244 = → M	413 - 181 = → N

Scratch space:

CLUE 4

Multiplication facts (1-12)

The runner escaped down a path with rows of corn. There are several identical rows of stalks. We can multiply to find the total count of corn.

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

T															
110	80	121	121	2	121	50	56	42	16	70	55	55	121	42	

													T						
6	70	36	42	121	2	56	121	36	36	70	72	5	121	48	110	80	121	16	28

$11 \times 10 = \square \rightarrow \boxed{\text{T}}$

$2 \times 1 = \square \rightarrow \boxed{\text{N}}$

$2 \times 3 = \square \rightarrow \boxed{\text{G}}$

$11 \times 5 = \square \rightarrow \boxed{\text{P}}$

$8 \times 10 = \square \rightarrow \boxed{\text{H}}$

$7 \times 4 = \square \rightarrow \boxed{\text{S}}$

$5 \times 10 = \square \rightarrow \boxed{\text{M}}$

$8 \times 7 = \square \rightarrow \boxed{\text{Y}}$

$4 \times 12 = \square \rightarrow \boxed{\text{A}}$

$9 \times 8 = \square \rightarrow \boxed{\text{W}}$

$7 \times 6 = \square \rightarrow \boxed{\text{D}}$

$1 \times 5 = \square \rightarrow \boxed{\text{F}}$

$8 \times 2 = \square \rightarrow \boxed{\text{R}}$

$6 \times 6 = \square \rightarrow \boxed{\text{L}}$

$11 \times 11 = \square \rightarrow \boxed{\text{E}}$

$7 \times 10 = \square \rightarrow \boxed{\text{O}}$

Scratch space:

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

A flock of helper chicks found some dropped berries. They want to share them equally among themselves. We need to divide to see how many each chick gets.

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:

$21 \div 3 = \boxed{}$

$63 \div 7 = \boxed{}$

$30 \div 10 = \boxed{}$

$24 \div 3 = \boxed{}$

$10 \div 2 = \boxed{}$

$108 \div 9 = \boxed{}$

$2 \div 2 = \boxed{}$

$20 \div 10 = \boxed{}$

$88 \div 8 = \boxed{}$

$18 \div 3 = \boxed{}$

$40 \div 10 = \boxed{}$

Step 2 - cross out the sentence with each answer:

1. The villain slides away using a fast gravy glide, then sails through the air on a feathery glider.
2. The villain fires sticky cranberry cannon goop, then taps on the floor with acorn armor.
3. The villain slides away using a fast gravy glide, then shoots red mist from a berry blaster.
4. The villain swings from the rafters with a wishbone whip, then shoots red mist from a berry blaster.
5. The villain slides away using a fast gravy glide, then taps on the floor with acorn armor.
6. The villain fires sticky cranberry cannon goop, then sails through the air on a feathery glider.
7. The villain throws a smoky pumpkin bomb, then runs off in heavy maple shoes.
8. The villain fires sticky cranberry cannon goop, then runs off in heavy maple shoes.
9. The villain throws a smoky pumpkin bomb, then zips past in a corn husk cape.
10. The villain fires sticky cranberry cannon goop, then zips past in a corn husk cape.
11. The villain swings from the rafters with a wishbone whip, then runs off in heavy maple shoes.
12. The villain throws a smoky pumpkin bomb, then taps on the floor with acorn armor.

Answer Key

The Great Cranberry Trophy Caper

Culprit: Tom Featherly

Cranberry Cannon · Corn Husk Cape · Soft Gobble · Golden Yellow · Loud Horns

Trail: Start 21 → Clue 1 17 → Clue 2 10 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE BANDIT DOES NOT USE A FEATHERY GLIDER"

Round 93 to the nearest ten = 90 (T) · Round 34 to the nearest ten = 30 (E) · Round 171 to the nearest hundred = 200 (O) · Round 600 to the nearest hundred = 600 (G) · Round 3,551 to the nearest thousand = 4000 (I) · Round 40 to the nearest ten = 40 (S) · Round 8,999 to the nearest thousand = 9000 (Y) · Round 483 to the nearest hundred = 500 (A) · Round 6,930 to the nearest thousand = 7000 (D) · Round 681 to the nearest hundred = 700 (H) · Round 1,921 to the nearest thousand = 2000 (L) · Round 67 to the nearest ten = 70 (F) · Round 436 to the nearest hundred = 400 (B) · Round 819 to the nearest hundred = 800 (R) · Round 62 to the nearest ten = 60 (N) · Round 6,077 to the nearest thousand = 6000 (U)

Clue 2 (Addition): "THE SUSPECT ONLY MAKES A SOFT GOBBLE"

$368 + 208 = 576$ (T) · $171 + 83 = 254$ (C) · $630 + 302 = 932$ (B) · $476 + 457 = 933$ (M) · $154 + 109 = 263$ (U) · $87 + 202 = 289$ (E) · $186 + 165 = 351$ (S) · $114 + 135 = 249$ (G) · $96 + 224 = 320$ (F) · $151 + 173 = 324$ (Y) · $378 + 495 = 873$ (H) · $283 + 416 = 699$ (L) · $391 + 265 = 656$ (O) · $129 + 221 = 350$ (A) · $433 + 297 = 730$ (K) · $184 + 299 = 483$ (N) · $337 + 320 = 657$ (P)

Clue 3 (Subtraction): "THE THIEF RAN FROM LOUD HORNS AT THE GATE"

$695 - 136 = 559$ (T) · $750 - 349 = 401$ (L) · $799 - 251 = 548$ (I) · $715 - 37 = 678$ (S) · $447 - 220 = 227$ (O) · $410 - 82 = 328$ (A) · $791 - 171 = 620$ (H) · $1019 - 350 = 669$ (G) · $895 - 274 = 621$ (E) · $1070 - 308 = 762$ (F) · $707 - 360 = 347$ (R) · $647 - 105 = 542$ (U) · $1053 - 306 = 747$ (D) · $596 - 244 = 352$ (M) · $413 - 181 = 232$ (N)

Clue 4 (Multiplication facts (1-12)): "THE ENEMY DROPPED GOLDEN YELLOW FEATHERS"

$11 \times 10 = 110$ (T) · $2 \times 1 = 2$ (N) · $2 \times 3 = 6$ (G) · $11 \times 5 = 55$ (P) · $8 \times 10 = 80$ (H) · $7 \times 4 = 28$ (S) · $5 \times 10 = 50$ (M) · $8 \times 7 = 56$ (Y) · $4 \times 12 = 48$ (A) · $9 \times 8 = 72$ (W) · $7 \times 6 = 42$ (D) · $1 \times 5 = 5$ (F) · $8 \times 2 = 16$ (R) · $6 \times 6 = 36$ (L) · $11 \times 11 = 121$ (E) · $7 \times 10 = 70$ (O)

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

$21 \div 3 = 7$ · $63 \div 7 = 9$ · $30 \div 10 = 3$ · $24 \div 3 = 8$ · $10 \div 2 = 5$ · $108 \div 9 = 12$ · $2 \div 2 = 1$ · $20 \div 10 = 2$ · $88 \div 8 = 11$ · $18 \div 3 = 6$ · $40 \div 10 = 4$