The Great Bark Park Caper

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

Detective: _____ **Date:** _____

Someone snuck into the park trophy shed and ran off with the Golden Bone Trophy right before the big agility show!

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 Treat Bandit is _____

Possible suspects

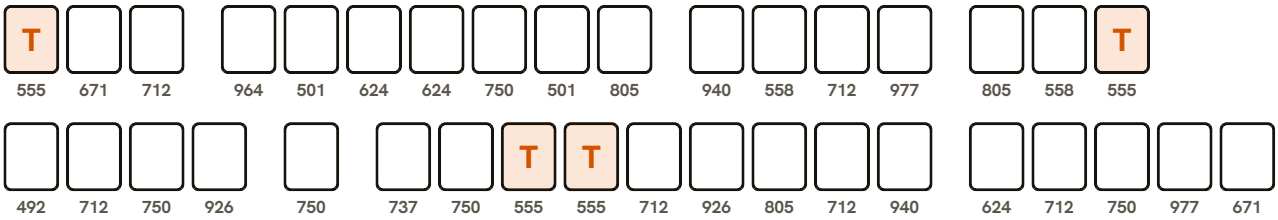
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	TRICKS	GEAR	PAW PREFERENCE	FUR STYLE	DISTRACTION
Daisy	High Jump	Golden Collar	Right Pawed	Fluffy Fur	Peanut Butter
Tucker	Tunnel Dig	Squeaky Vest	Right Pawed	Short Fur	Peanut Butter
Biscuit	Super Leap	Golden Collar	Right Pawed	Fluffy Fur	Bacon Strips
Oliver	Super Leap	Squeaky Vest	Left Pawed	Short Fur	Tennis Balls
Rosie	Tunnel Dig	Patterned Leash	Right Pawed	Curly Fur	Bacon Strips
Rex	High Jump	Reflective Harness	Left Pawed	Fluffy Fur	Tennis Balls
Penny	Mega Howl	Reflective Harness	Right Pawed	Fluffy Fur	Tennis Balls
Lassie	Super Leap	Bright Bandana	Right Pawed	Fluffy Fur	Bacon Strips
Pip	Tunnel Dig	Bright Bandana	Right Pawed	Short Fur	Peanut Butter
Cooper	Mega Howl	Squeaky Vest	Right Pawed	Curly Fur	Bacon Strips
Comet	Mega Howl	Bright Bandana	Right Pawed	Fluffy Fur	Tennis Balls
Peanut	Super Leap	Reflective Harness	Left Pawed	Short Fur	Peanut Butter
Toby	Tunnel Dig	Bright Bandana	Left Pawed	Short Fur	Tennis Balls
Milo	Tunnel Dig	Bright Bandana	Right Pawed	Curly Fur	Tennis Balls
Scout	Super Leap	Reflective Harness	Left Pawed	Curly Fur	Tennis Balls
Sadie	Mega Howl	Squeaky Vest	Right Pawed	Fluffy Fur	Tennis Balls
Rocky	Super Leap	Patterned Leash	Right Pawed	Fluffy Fur	Tennis Balls
Buster	Speed Dash	Patterned Leash	Right Pawed	Curly Fur	Tennis Balls
Bandit	Speed Dash	Bright Bandana	Right Pawed	Fluffy Fur	Tennis Balls
Jasper	High Jump	Reflective Harness	Right Pawed	Curly Fur	Peanut Butter
Barnaby	Super Leap	Squeaky Vest	Right Pawed	Curly Fur	Bacon Strips

CLUE 1 Addition

> To count how many dog treats disappeared from the pantry, the judge added up the morning and afternoon inventories.

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



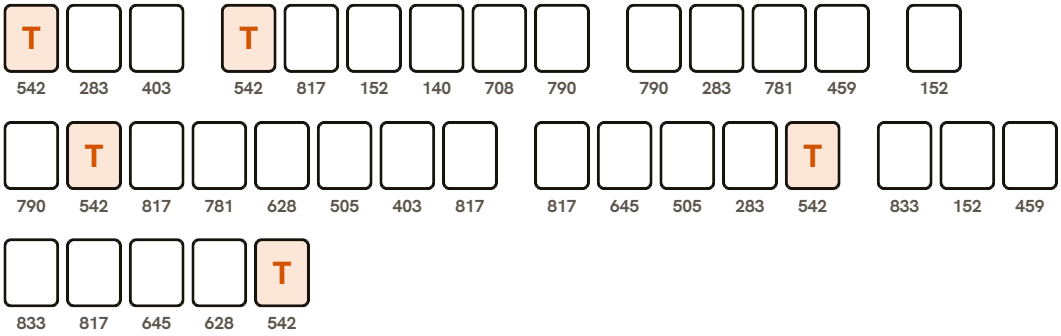
240 + 315 = ☐ → T	358 + 266 = ☐ → L	292 + 513 = ☐ → N
657 + 283 = ☐ → D	413 + 551 = ☐ → V	536 + 441 = ☐ → S
283 + 275 = ☐ → O	329 + 163 = ☐ → W	236 + 501 = ☐ → P
416 + 255 = ☐ → H	428 + 322 = ☐ → A	251 + 250 = ☐ → I
424 + 288 = ☐ → E	482 + 444 = ☐ → R	

Scratch space:

CLUE 2 Subtraction

The park ranger checked how many agility poles were left after removing the damaged ones.

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



854 - 312 = ☐ → T

932 - 287 = ☐ → I

515 - 232 = ☐ → H

324 - 172 = ☐ → A

644 - 139 = ☐ → G

412 - 272 = ☐ → C

689 - 286 = ☐ → E

925 - 135 = ☐ → S

675 - 47 = ☐ → N

508 - 49 = ☐ → W

884 - 67 = ☐ → R

836 - 128 = ☐ → K

1153 - 320 = ☐ → P

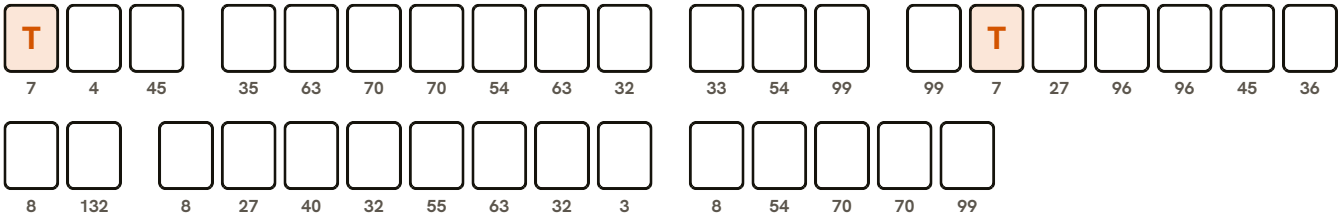
1108 - 327 = ☐ → O

Scratch space:

CLUE 3 Multiplication facts (1-12)

The trainer lined up rows of water bowls to see how many cups of water were needed in total.

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



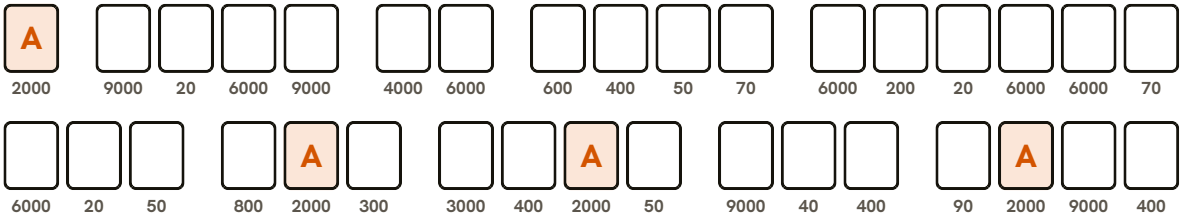
1 × 7 = ☐ → T	3 × 9 = ☐ → O	11 × 5 = ☐ → C
10 × 7 = ☐ → L	8 × 1 = ☐ → B	11 × 9 = ☐ → S
6 × 9 = ☐ → A	3 × 1 = ☐ → G	8 × 12 = ☐ → P
2 × 2 = ☐ → H		
7 × 9 = ☐ → I	12 × 3 = ☐ → D	12 × 11 = ☐ → Y
4 × 10 = ☐ → U	9 × 5 = ☐ → E	11 × 3 = ☐ → W
7 × 5 = ☐ → V	8 × 4 = ☐ → N	

Scratch space:

CLUE 4 Rounding

The timer screen only displays rounded numbers, so we estimated the suspect sprint speed.

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



Round 2,010 to the nearest thousand ☐ → A

Round 234 to the nearest hundred ☐ → L

Round 9,159 to the nearest thousand ☐ → T

Round 6,441 to the nearest thousand ☐ → F

Round 590 to the nearest hundred ☐ → V

Round 3,304 to the nearest thousand ☐ → N

Round 46 to the nearest ten ☐ → R

Round 68 to the nearest ten ☐ → Y

Round 262 to the nearest hundred ☐ → S

Round 4,187 to the nearest thousand ☐ → O

Round 822 to the nearest hundred ☐ → W

Round 374 to the nearest hundred ☐ → E

Round 94 to the nearest ten ☐ → G

Round 40 to the nearest ten ☐ → H

Round 19 to the nearest ten ☐ → U

Scratch space:

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

> The judges split a huge pile of chew toys equally among the obstacle stations to find a clue.

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:

28 ÷ 7 = ☐	6 ÷ 3 = ☐	36 ÷ 3 = ☐	40 ÷ 4 = ☐	55 ÷ 11 = ☐
63 ÷ 9 = ☐	56 ÷ 7 = ☐	33 ÷ 3 = ☐	21 ÷ 7 = ☐	18 ÷ 3 = ☐
9 ÷ 9 = ☐				

Step 2 - cross out the sentence with each answer:

1. The villain leaped over the high fence, then jingled their squeaky vest.
2. The villain dashed through the obstacle course, then adjusted a bright bandana.
3. The villain howled loudly across the park, then flashed a shiny golden collar.
4. The villain howled loudly across the park, then tightened a reflective harness.
5. The villain dug a hidden tunnel, then adjusted a bright bandana.
6. The villain leaped over the high fence, then flashed a shiny golden collar.
7. The villain cleared the tall wooden barrier, then jingled their squeaky vest.
8. The villain leaped over the high fence, then snagged their patterned leash.
9. The villain howled loudly across the park, then jingled their squeaky vest.
10. The villain cleared the tall wooden barrier, then flashed a shiny golden collar.
11. The villain dashed through the obstacle course, then jingled their squeaky vest.
12. The villain howled loudly across the park, then adjusted a bright bandana.

TEACHER / PARENT

Answer Key

The Great Bark Park Caper

Culprit: Sadie

Mega Howl · Squeaky Vest · Right Pawed · Fluffy Fur · Tennis Balls

Trail: Start 21 → Clue 1 18 → Clue 2 13 → Clue 3 5 → Clue 4 4 → Clue 5 1

Clue 1 (Addition): "THE VILLAIN DOES NOT WEAR A PATTERNED LEASH"

240 + 315 = 555 (T) · 358 + 266 = 624 (L) · 292 + 513 = 805 (N) · 657 + 283 = 940 (D) · 413 + 551 = 964 (V) · 536 + 441 = 977 (S) · 283 + 275 = 558 (O) · 329 + 163 = 492 (W) · 236 + 501 = 737 (P) · 416 + 255 = 671 (H) · 428 + 322 = 750 (A) · 251 + 250 = 501 (I) · 424 + 288 = 712 (E) · 482 + 444 = 926 (R)

Clue 2 (Subtraction): "THE TRACKS SHOW A STRONGER RIGHT PAW PRINT"

854 - 312 = 542 (T) · 932 - 287 = 645 (I) · 515 - 232 = 283 (H) · 324 - 172 = 152 (A) · 644 - 139 = 505 (G) · 412 - 272 = 140 (C) · 689 - 286 = 403 (E) · 925 - 135 = 790 (S) · 675 - 47 = 628 (N) · 508 - 49 = 459 (W) · 884 - 67 = 817 (R) · 836 - 128 = 708 (K) · 1153 - 320 = 833 (P) · 1108 - 327 = 781 (O)

Clue 3 (Multiplication facts (1-12)): "THE VILLAIN WAS STOPPED BY BOUNCING BALLS"

1 × 7 = 7 (T) · 3 × 9 = 27 (O) · 11 × 5 = 55 (C) · 10 × 7 = 70 (L) · 8 × 1 = 8 (B) · 11 × 9 = 99 (S) · 6 × 9 = 54 (A) · 3 × 1 = 3 (G) · 8 × 12 = 96 (P) · 2 × 2 = 4 (H) · 7 × 9 = 63 (I) · 12 × 3 = 36 (D) · 12 × 11 = 132 (Y) · 4 × 10 = 40 (U) · 9 × 5 = 45 (E) · 11 × 3 = 33 (W) · 7 × 5 = 35 (V) · 8 × 4 = 32 (N)

Clue 4 (Rounding): "A TUFT OF VERY FLUFFY FUR WAS NEAR THE GATE"

Round 2,010 to the nearest thousand = 2000 (A) · Round 234 to the nearest hundred = 200 (L) · Round 9,159 to the nearest thousand = 9000 (T) · Round 6,441 to the nearest thousand = 6000 (F) · Round 590 to the nearest hundred = 600 (V) · Round 3,304 to the nearest thousand = 3000 (N) · Round 46 to the nearest ten = 50 (R) · Round 68 to the nearest ten = 70 (Y) · Round 262 to the nearest hundred = 300 (S) · Round 4,187 to the nearest thousand = 4000 (O) · Round 822 to the nearest hundred = 800 (W) · Round 374 to the nearest hundred = 400 (E) · Round 94 to the nearest ten = 90 (G) · Round 40 to the nearest ten = 40 (H) · Round 19 to the nearest ten = 20 (U)

Clue 5 (Division facts (1-12)): surviving statement is box 9 → Sadie

28 ÷ 7 = 4 · 6 ÷ 3 = 2 · 36 ÷ 3 = 12 · 40 ÷ 4 = 10 · 55 ÷ 11 = 5 · 63 ÷ 9 = 7 · 56 ÷ 7 = 8 · 33 ÷ 3 = 11 · 21 ÷ 7 = 3 · 18 ÷ 3 = 6 · 9 ÷ 9 = 1