Grade 4

Your first case starts here.

The Vanished Berry Pie

A complete mystery to print, solve and enjoy.

By Roberta Spring

1. Read the case briefing and meet the suspects.

2. Work through all five clues. Cross suspects off as the evidence rules them out.

3. Complete your case report, then check the worked answers.

You will need: a pencil, an eraser and some paper for working out. An adult can help with reading the instructions.

This sample is one complete case from the supplied Grade 4 book. The bonus letter for the full-book final mystery is optional; you do not need it to solve this case.

Print at actual size (100%) on US Letter paper. On A4, choose Fit. Print only the case pages if you want to save paper; the answers begin after the STOP page.

Explore the Grade 4 books at BrainBoxBooks.shop

CASE #01 · FRIENDLY FARM

THE VANISHED BERRY PIE

So mysterious! Bring your notebook and your brightest ideas to this new case! After the bell rang, the berry pie was no longer in the farmhouse kitchen. Finish the puzzles and find the final name!

MISSING: BERRY PIE

LAST SEEN: FARMHOUSE KITCHEN

DIFFICULTY	MISSION TIME	MATH SKILLS
★★☆☆	~40 min	5

THE SUSPECTS



SUSPECT 1
PEDRO · the Sheep herder
Plays: HOCKEY · Hat: A HELMET



SUSPECT 2
MADDIE · the Apple picker
Plays: HOCKEY · Hat: A BONNET



SUSPECT 3
BEA · the Farmer
Plays: SOCCER · Hat: A HELMET



SUSPECT 4
LIV · the Barn keeper
Plays: CHESS · Hat: A TOP HAT



SUSPECT 5
RILEY · the Scarecrow maker
Plays: BANJO · Hat: A BERET



SUSPECT 6
MOIRA · the Egg collector
Plays: VIOLIN · Hat: A HELMET



SUSPECT 7
DELIA · the Milk maid
Plays: TENNIS · Hat: A CAP



SUSPECT 8
TESS · the Tractor driver
Plays: DRUMS · Hat: A BONNET

YOUR CLUES

CLUE 1 · MAPS & SCALE
CLUE 2 · WORD PROBLEMS
CLUE 3 · NUMBER PROPERTIES
CLUE 4 · ELAPSED TIME
CLUE 5 · PLACE VALUE

Solve each clue sheet and cross suspects off. The last name standing is your culprit!

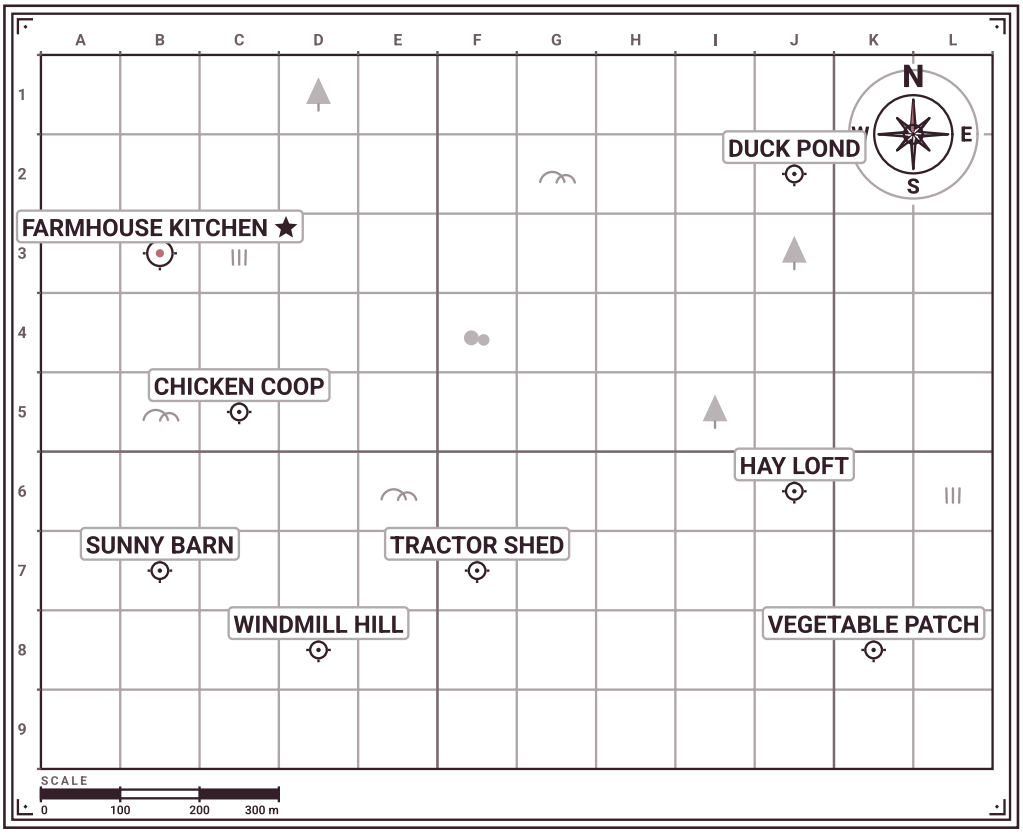
CASE #01 · FRIENDLY FARM

CLUE 1 OF 5

MAPS & SCALE

FOLLOW THE PAW TRAIL

Follow the safari trail until it ends at the culprit's hiding spot, then cross off every suspect seen elsewhere.



THE TRAIL

Start at the FARMHOUSE KITCHEN ★

1. Go 400 ÷ 2 m EAST
2. Go 600 ÷ 2 m SOUTH
3. Go 500 ÷ 5 m WEST
4. Go 500 ÷ 5 m NORTH

WHO WAS SEEN WHERE?

PEDRO	CHICKEN COOP
MADDIE	CHICKEN COOP
BEA	CHICKEN COOP
LIV	CHICKEN COOP
RILEY	CHICKEN COOP
MOIRA	CHICKEN COOP
DELIA	CHICKEN COOP
TESS	TRACTOR SHED

Trace the trail on the map, find where it ends, and cross off everyone seen elsewhere!

CASE #01 · FRIENDLY FARM

CLUE 2 OF 5

WORD PROBLEMS

MEASURE THE SAFARI JOURNEY

A short getaway! Cross off everyone who covered MORE than 230 km.

HOW FAR DID EACH SUSPECT GO?

Pedro made 4 trips of 34 km each. Total: ___ _____

Maddie covered 127 km, then 64 more. Total: ___ _____

Bea made 4 trips of 41 km each. Total: ___ _____

Liv made 3 trips of 42 km each. Total: ___ _____

Riley covered 303 km, then 94 more. Total: ___ _____

Moira covered 150 km, then 29 more. Total: ___ _____

Delia made 4 trips of 97 km each. Total: ___ _____

Tess covered 69 km, then 70 more. Total: ___ _____

Do the math, then cross off every suspect the rule catches!

CASE #01 · FRIENDLY FARM

CLUE 3 OF 5

NUMBER PROPERTIES

FIND THE EMPTY NEST

Sort the zoo tokens and let the empty region name the hat, then cross off every suspect who has the wrong hat.

SOLVE EACH SAMPLE

Sample 1: 16 − 3 = ☐

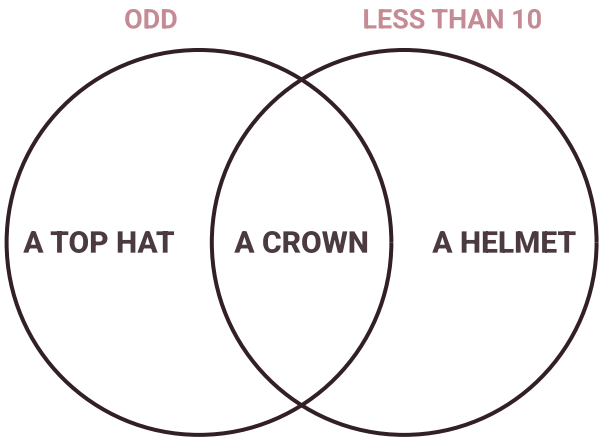
Sample 2: 0 + 1 = ☐

Sample 3: 14 − 4 = ☐

Circle A: ODD

Circle B: LESS THAN 10

SORT INTO THE VENN



A VISOR

Sort each sample into its region, find the one left empty, then cross off every suspect with a different hat!

CASE #01 · FRIENDLY FARM

CLUE 4 OF 5

ELAPSED TIME

THE MEADOW ALIBIS

Witnesses cleared everyone still busy when the caper happened. Cross off every suspect who finished AFTER 1:00 PM!

WHEN DID EACH SUSPECT FINISH?

Pedro started a library visit at 9:15 AM. It lasted 60 minutes. Finish time: ___

Maddie started a chess match at 12:00 PM. It lasted 30 minutes. Finish time: ___

Bea started a baking session at 9:30 AM. It lasted 60 minutes. Finish time: ___

Liv started a swimming class at 11:00 AM. It lasted 105 minutes. Finish time: ___

Riley started a library visit at 10:00 AM. It lasted 75 minutes. Finish time: ___

Moira started a music lesson at 2:15 PM. It lasted 45 minutes. Finish time: ___

Delia started a music lesson at 8:30 AM. It lasted 30 minutes. Finish time: ___

Tess started a music lesson at 8:45 AM. It lasted 75 minutes. Finish time: ___

Do the math, then cross off every suspect the rule catches!

CLUE 5 OF 5

PLACE VALUE

THE CODED CLUE

SOLVE THE PROBLEMS

U. Value of the 6 in 4657 = _____

T. Value of the 5 in 3685 = _____

S. Value of the 9 in 8973 = _____

Y. Value of the 6 in 3476 = _____

O. Value of the 8 in 1498 = _____

R. Value of the 1 in 4197 = _____

I. Value of the 6 in 6847 = _____

E. Value of the 9 in 1359 = _____

C. Value of the 5 in 1578 = _____

A. Value of the 2 in 2395 = _____

P. Value of the 7 in 7152 = _____

H. Value of the 5 in 5418 = _____

L. Value of the 1 in 9415 = _____

CRACK THE CODE

Write each problem's letter in every box that shows its answer.

Self-check: if the boxes spell a real clue sentence, your math is correct!

5	5000	9	500	600	10	7000	100	6000	5	7000	10	2000	6	900	
900	8	500	500	9	100										

Now cross off every suspect this clue rules out!

CASE #01 · FRIENDLY FARM

CASE REPORT

The berry pie vanished from the farmhouse kitchen. You worked the clues, detective — time to name the culprit.

FINAL CHECK

- [ ] PEDRO · the Sheep herder
- [ ] MADDIE · the Apple picker
- [ ] BEA · the Farmer
- [ ] LIV · the Barn keeper
- [ ] RILEY · the Scarecrow maker
- [ ] MOIRA · the Egg collector
- [ ] DELIA · the Milk maid
- [ ] TESS · the Tractor driver

THE CULPRIT IS: _____

SHOW YOUR REASONING

Which clue ruled out the most suspects? Clue ____

Name one suspect it cleared — and why the rule caught them:

- [ ] **My culprit is the ONLY suspect still standing after all 5 clues.**

SECRET LETTER for The Final Mystery → C

CASE CLOSED

STOP, DETECTIVE!

The worked answers begin on the next page.

Finish your case report before turning over. The following pages reveal the culprit and show the completed clues.

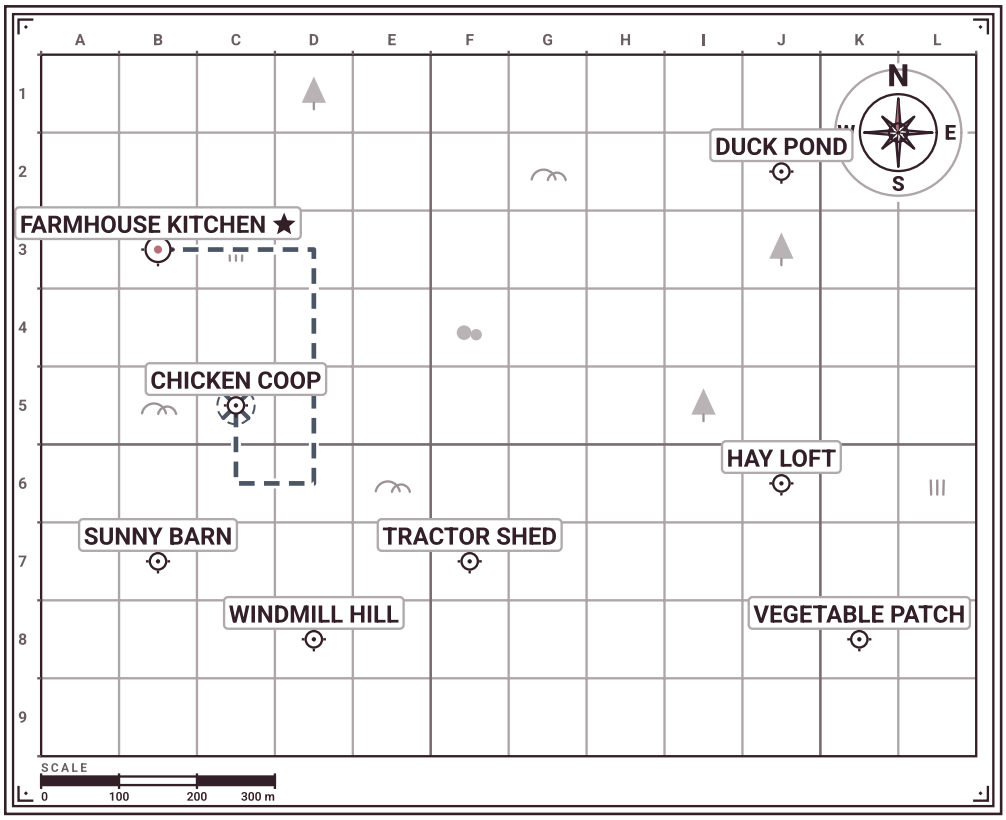
Parents and grandparents: keep these pages separate if your young detective would like to solve the case independently.

CLUE 1 OF 5

MAPS & SCALE

FOLLOW THE PAW TRAIL

Follow the safari trail until it ends at the culprit's hiding spot, then cross off every suspect seen elsewhere.



THE TRAIL

Start at the FARMHOUSE KITCHEN ★

1. Go 400 ÷ 2 m EAST	= 200
2. Go 600 ÷ 2 m SOUTH	= 300
3. Go 500 ÷ 5 m WEST	= 100
4. Go 500 ÷ 5 m NORTH	= 100

WHO WAS SEEN WHERE?

PEDRO	CHICKEN COOP
MADDIE	CHICKEN COOP
BEA	CHICKEN COOP
LIV	CHICKEN COOP
RILEY	CHICKEN COOP
MOIRA	CHICKEN COOP
DELIA	CHICKEN COOP
~~**TESS**~~	TRACTOR SHED

The trail ends at the CHICKEN COOP — rules out: TESS

CLUE 2 OF 5

WORD PROBLEMS

MEASURE THE SAFARI JOURNEY

A short getaway! Cross off everyone who covered MORE than 230 km.

HOW FAR DID EACH SUSPECT GO?

Pedro made 4 trips of 34 km each. Total: ___ **136 km**

✓ *4 × 34 = 136 km*

Maddie covered 127 km, then 64 more. Total: ___ **191 km**

✓ *127 + 64 = 191 km*

Bea made 4 trips of 41 km each. Total: ___ **164 km**

✓ *4 × 41 = 164 km*

Liv made 3 trips of 42 km each. Total: ___ **126 km**

✓ *3 × 42 = 126 km*

~~Riley covered 303 km, then 94 more. Total: ___~~ **397 km**

✓ *303 + 94 = 397 km*

Moira covered 150 km, then 29 more. Total: ___ **179 km**

✓ *150 + 29 = 179 km*

~~Delia made 4 trips of 97 km each. Total: ___~~ **388 km**

✓ *4 × 97 = 388 km*

Tess covered 69 km, then 70 more. Total: ___ **139 km**

✓ *69 + 70 = 139 km*

Rules out: RILEY, DELIA

CLUE 3 OF 5

NUMBER PROPERTIES

FIND THE EMPTY NEST

Sort the zoo tokens and let the empty region name the hat, then cross off every suspect who has the wrong hat.

SOLVE EACH SAMPLE

Sample 1: 16 − 3 = **13**

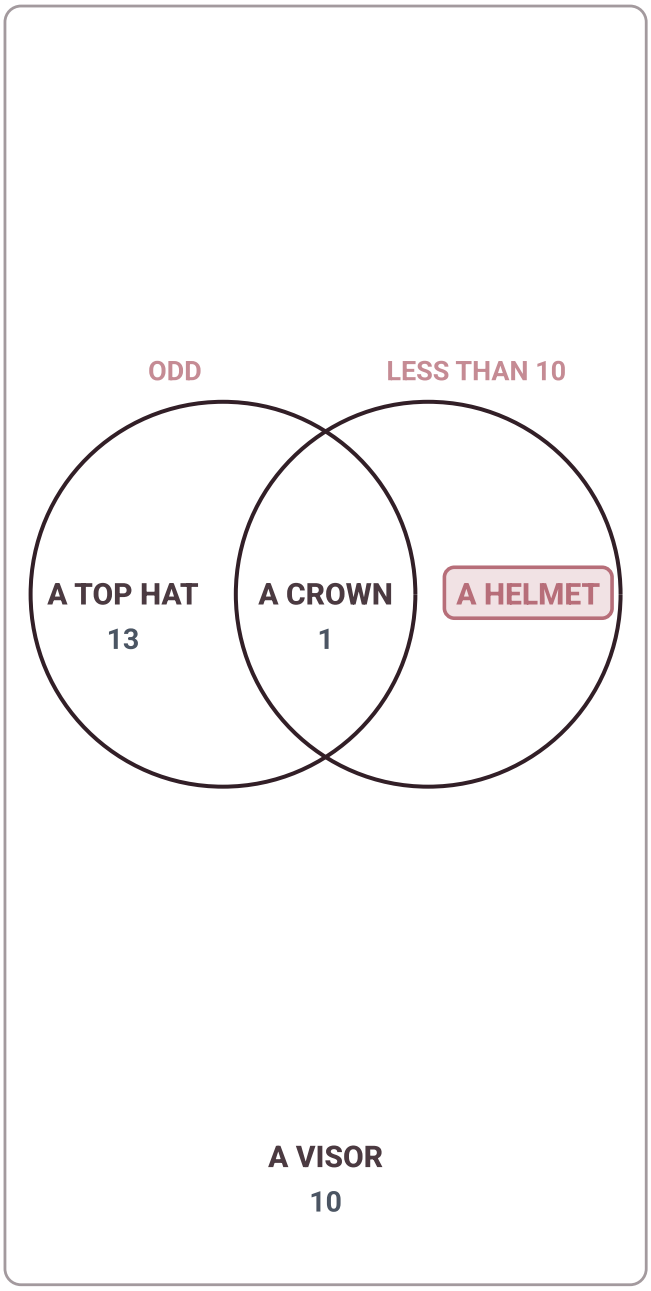
Sample 2: 0 + 1 = **1**

Sample 3: 14 − 4 = **10**

Circle A: ODD

Circle B: LESS THAN 10

SORT INTO THE VENN



The empty region is A HELMET — rules out: MADDIE, LIV

CLUE 4 OF 5

ELAPSED TIME

THE MEADOW ALIBIS

Witnesses cleared everyone still busy when the caper happened. Cross off every suspect who finished AFTER 1:00 PM!

WHEN DID EACH SUSPECT FINISH?

Pedro started a library visit at 9:15 AM. It lasted 60 minutes. Finish time: ___ **10:15 AM**

✓ *9:15 AM + 60 minutes = 10:15 AM*

Maddie started a chess match at 12:00 PM. It lasted 30 minutes. Finish time: ___ **12:30 PM**

✓ *12:00 PM + 30 minutes = 12:30 PM*

Bea started a baking session at 9:30 AM. It lasted 60 minutes. Finish time: ___ **10:30 AM**

✓ *9:30 AM + 60 minutes = 10:30 AM*

Liv started a swimming class at 11:00 AM. It lasted 105 minutes. Finish time: ___ **12:45 PM**

✓ *11:00 AM + 105 minutes = 12:45 PM*

Riley started a library visit at 10:00 AM. It lasted 75 minutes. Finish time: ___ **11:15 AM**

✓ *10:00 AM + 75 minutes = 11:15 AM*

~~Moira started a music lesson at 2:15 PM. It lasted 45 minutes. Finish time: ___~~ **3:00 PM**

✓ *2:15 PM + 45 minutes = 3:00 PM*

Delia started a music lesson at 8:30 AM. It lasted 30 minutes. Finish time: ___ **9:00 AM**

✓ *8:30 AM + 30 minutes = 9:00 AM*

Tess started a music lesson at 8:45 AM. It lasted 75 minutes. Finish time: ___ **10:00 AM**

✓ *8:45 AM + 75 minutes = 10:00 AM*

Rules out: MOIRA

CLUE 5 OF 5

PLACE VALUE

THE CODED CLUE

SOLVE THE PROBLEMS

U. Value of the 6 in 4657 = 600

T. Value of the 5 in 3685 = 5

S. Value of the 9 in 8973 = 900

Y. Value of the 6 in 3476 = 6

O. Value of the 8 in 1498 = 8

R. Value of the 1 in 4197 = 100

I. Value of the 6 in 6847 = 6000

E. Value of the 9 in 1359 = 9

C. Value of the 5 in 1578 = 500

A. Value of the 2 in 2395 = 2000

P. Value of the 7 in 7152 = 7000

H. Value of the 5 in 5418 = 5000

L. Value of the 1 in 9415 = 10

CRACK THE CODE

Write each problem's letter in every box that shows its answer.
Self-check: if the boxes spell a real clue sentence, your math is correct!

T	H	E		C	U	L	P	R	I	T		P	L	A	Y	S
5	5000	9		500	600	10	7000	100	6000	5		7000	10	2000	6	900

S	O	C	C	E	R
900	8	500	500	9	100

Rules out: PEDRO

CASE #01 · FRIENDLY FARM · SOLUTION

CASE REPORT

The berry pie vanished from the farmhouse kitchen. You worked the clues, detective — time to name the culprit.

FINAL CHECK

- ☒ PEDRO · the Sheep herder
- ☒ MADDIE · the Apple picker
- ☑ **BEA · the Farmer**
- ☒ LIV · the Barn keeper
- ☒ RILEY · the Scarecrow maker
- ☒ MOIRA · the Egg collector
- ☒ DELIA · the Milk maid
- ☒ TESS · the Tractor driver

THE CULPRIT IS: BEA

SOLVED!

HOW IT WAS SOLVED

Clue 1 cleared TESS. Clue 2 cleared RILEY & DELIA. Clue 3 cleared MADDIE & LIV. Clue 4 cleared MOIRA. Clue 5 cleared PEDRO. Only BEA was left standing — that's the culprit!

SECRET LETTER for The Final Mystery → C

CASE CLOSED

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