The Case of the Ruined Rendezvous

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

Detective: _____ **Date:** _____

The golden locket of eternal devotion has vanished from Heartbreak Manor! It was stolen right before the big moonlit proposal. The dramatic lovers are in tears, and we must find out who ruined the secret date!

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 jealous rival is _____

Possible suspects

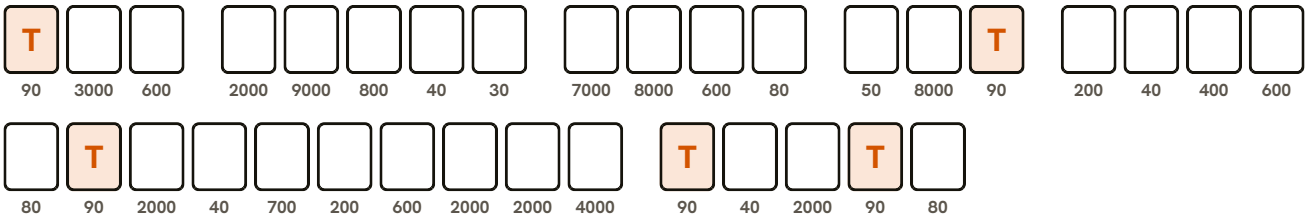
Cross off a row as each clue rules it out. The one left at the end is the culprit.

NAME	FLIRTING STYLE	SECRET HOBBY	WITNESS REPORT	HAIR EVIDENCE	ROMANTIC WEAKNESS
Baroness Scarlett	hand holding	playing the harp	beautiful lady	flowing blonde locks	allergy to roses
Sir Tristan	hand holding	playing the harp	beautiful lady	slicked back black	scared of commitment
Duchess Sophia	gift giving	playing the harp	beautiful lady	slicked back black	scared of commitment
Lady Genevieve	deep staring	baking strawberry tarts	beautiful lady	slicked back black	allergy to roses
Count Gabriel	hand holding	baking strawberry tarts	beautiful lady	slicked back black	distracted by chocolate
Lord Charles	hand holding	writing love letters	handsome gentleman	slicked back black	distracted by chocolate
Duke Julian	hand holding	arranging red roses	beautiful lady	slicked back black	distracted by chocolate
Sir Roderick	sappy poetry	writing sad songs	beautiful lady	flowing blonde locks	scared of commitment
Lady Victoria	dramatic sighing	writing sad songs	handsome gentleman	flowing blonde locks	scared of commitment
Baroness Vivienne	dramatic sighing	playing the harp	beautiful lady	curly red hair	scared of commitment
Baroness Gwendolyn	dramatic sighing	arranging red roses	beautiful lady	slicked back black	allergy to roses
Count Alexander	sappy poetry	playing the harp	beautiful lady	flowing blonde locks	distracted by chocolate
Duke Nicholas	hand holding	writing love letters	beautiful lady	slicked back black	distracted by chocolate
Lady Isabella	dramatic sighing	playing the harp	beautiful lady	slicked back black	distracted by chocolate
Baroness Clara	dramatic sighing	writing sad songs	handsome gentleman	slicked back black	distracted by chocolate
Count Valentine	gift giving	arranging red roses	beautiful lady	slicked back black	distracted by chocolate
Duchess Penelope	gift giving	writing sad songs	beautiful lady	flowing blonde locks	allergy to roses
Sir Montgomery	dramatic sighing	writing sad songs	handsome gentleman	slicked back black	scared of commitment
Duchess Evelyn	deep staring	writing love letters	beautiful lady	curly red hair	distracted by chocolate
Lady Beatrice	dramatic sighing	writing sad songs	beautiful lady	slicked back black	scared of commitment
Duchess Eleanor	deep staring	writing sad songs	beautiful lady	curly red hair	scared of commitment

CLUE 1 Rounding

> The love meter on the garden wall is a bit rusty. It rounds the passion score to the nearest ten. The dial pointed to eighty, which gave us our first hint.

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



Round 92 to the nearest ten		T	Round 604 to the nearest hundred		E	Round 2,458 to the nearest thousand		R
Round 51 to the nearest ten		N	Round 748 to the nearest hundred		W	Round 41 to the nearest ten		A
Round 8,337 to the nearest thousand		O	Round 30 to the nearest ten		L	Round 797 to the nearest hundred		V
Round 4,093 to the nearest thousand		Y	Round 198 to the nearest hundred		B	Round 2,694 to the nearest thousand		H
Round 397 to the nearest hundred		K	Round 7,423 to the nearest thousand		D	Round 8,795 to the nearest thousand		I
Round 77 to the nearest ten		S						

Scratch space:

CLUE 2 Addition

> We found a pile of torn love letters. We added the three scraps from the fountain to the four scraps from the bench to find the secret clue.

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

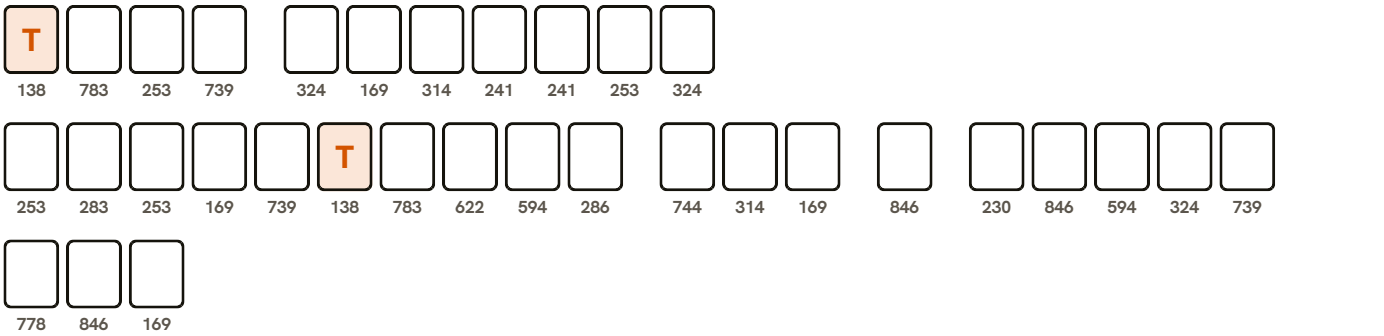
283 + 254 =		T	210 + 158 =		E	123 + 224 =		U
278 + 398 =		L	235 + 113 =		F	359 + 553 =		S
297 + 215 =		A	250 + 301 =		Y	520 + 372 =		O
388 + 589 =		V	272 + 188 =		N	242 + 113 =		M
272 + 589 =		R	563 + 266 =		P	223 + 401 =		C
115 + 153 =		I	310 + 338 =		H			

Scratch space:

CLUE 3 Subtraction

> The butler started with twelve chocolate truffles on a silver tray. The rival ate some, leaving only five. The missing chocolates pointed to a clue.

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



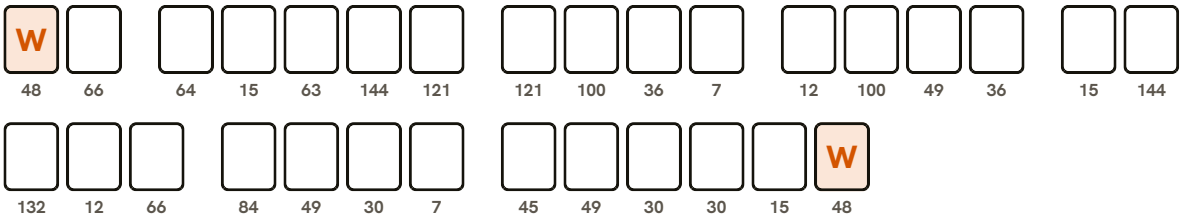
360 - 222 =		T	858 - 119 =		Y	473 - 304 =		R
451 - 168 =		V	463 - 149 =		O	971 - 188 =		H
510 - 224 =		G	1041 - 195 =		A	675 - 81 =		N
604 - 363 =		P	635 - 382 =		E	528 - 204 =		D
1089 - 345 =		F	931 - 153 =		B	931 - 309 =		I
292 - 62 =		C						

Scratch space:

CLUE 4 Multiplication facts (1-12)

> The florist delivered boxes of red roses. There were three boxes with six roses in each box. Counting them all up revealed the hair color.

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



6 × 8 =		W	12 × 11 =		T	7 × 7 =		I
2 × 6 =		H	10 × 3 =		L	7 × 1 =		K
12 × 7 =		S	8 × 8 =		F	7 × 9 =		U
4 × 9 =		R	12 × 12 =		N	11 × 11 =		D
3 × 5 =		O	6 × 11 =		E	9 × 5 =		P
10 × 10 =		A						

Scratch space:

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

> The lovers wanted to share eighteen strawberry tarts equally between their three favorite guests. Sharing them out fairly led us to the final 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:

4 ÷ 2 = ☐	6 ÷ 1 = ☐	9 ÷ 1 = ☐
27 ÷ 9 = ☐	16 ÷ 4 = ☐	50 ÷ 10 = ☐
50 ÷ 5 = ☐	84 ÷ 7 = ☐	33 ÷ 3 = ☐
56 ÷ 7 = ☐	5 ÷ 5 = ☐	

Step 2 - cross out the sentence with each answer:

1. The villain held hands near the fountain, then sang a lonely song in the rain.
2. The villain held hands near the fountain, then scattered fresh red roses everywhere.
3. The villain recited a very sappy poem, then sang a lonely song in the rain.
4. The villain gave a giant shiny gift, then sang a lonely song in the rain.
5. The villain recited a very sappy poem, then scattered fresh red roses everywhere.
6. The villain sighed very dramatically, then played a sad tune on the harp.
7. The villain gave a giant shiny gift, then scattered fresh red roses everywhere.
8. The villain sighed very dramatically, then scattered fresh red roses everywhere.
9. The villain held hands near the fountain, then penned a secret love letter.
10. The villain stared deeply into their eyes, then penned a secret love letter.
11. The villain recited a very sappy poem, then baked a batch of sweet strawberry tarts.
12. The villain held hands near the fountain, then played a sad tune on the harp.

TEACHER / PARENT

Answer Key

The Case of the Ruined Rendezvous

Culprit: Count Valentine

gift giving · arranging red roses · beautiful lady · slicked back black · distracted by chocolate

Trail: Start 21 → Clue 1 19 → Clue 2 15 → Clue 3 6 → Clue 4 4 → Clue 5 1

Clue 1 (Rounding): "THE RIVAL DOES NOT BAKE STRAWBERRY TARTS"

Round 92 to the nearest ten = 90 (T) · Round 604 to the nearest hundred = 600 (E) · Round 2,458 to the nearest thousand = 2000 (R) · Round 51 to the nearest ten = 50 (N) · Round 748 to the nearest hundred = 700 (W) · Round 41 to the nearest ten = 40 (A) · Round 8,337 to the nearest thousand = 8000 (O) · Round 30 to the nearest ten = 30 (L) · Round 797 to the nearest hundred = 800 (V) · Round 4,093 to the nearest thousand = 4000 (Y) · Round 198 to the nearest hundred = 200 (B) · Round 2,694 to the nearest thousand = 3000 (H) · Round 397 to the nearest hundred = 400 (K) · Round 7,423 to the nearest thousand = 7000 (D) · Round 8,795 to the nearest thousand = 9000 (I) · Round 77 to the nearest ten = 80 (S)

Clue 2 (Addition): "THE RIVAL LEFT A SCENT OF FANCY PERFUME"

283 + 254 = 537 (T) · 210 + 158 = 368 (E) · 123 + 224 = 347 (U) · 278 + 398 = 676 (L) · 235 + 113 = 348 (F) · 359 + 553 = 912 (S) · 297 + 215 = 512 (A) · 250 + 301 = 551 (Y) · 520 + 372 = 892 (O) · 388 + 589 = 977 (V) · 272 + 188 = 460 (N) · 242 + 113 = 355 (M) · 272 + 589 = 861 (R) · 563 + 266 = 829 (P) · 223 + 401 = 624 (C) · 115 + 153 = 268 (I) · 310 + 338 = 648 (H)

Clue 3 (Subtraction): "THEY DROPPED EVERYTHING FOR A CANDY BAR"

360 - 222 = 138 (T) · 858 - 119 = 739 (Y) · 473 - 304 = 169 (R) · 451 - 168 = 283 (V) · 463 - 149 = 314 (O) · 971 - 188 = 783 (H) · 510 - 224 = 286 (G) · 1041 - 195 = 846 (A) · 675 - 81 = 594 (N) · 604 - 363 = 241 (P) · 635 - 382 = 253 (E) · 528 - 204 = 324 (D) · 1089 - 345 = 744 (F) · 931 - 153 = 778 (B) · 931 - 309 = 622 (I) · 292 - 62 = 230 (C)

Clue 4 (Multiplication facts (1-12)): "WE FOUND DARK HAIR ON THE SILK PILLOW"

6 × 8 = 48 (W) · 12 × 11 = 132 (T) · 7 × 7 = 49 (I) · 2 × 6 = 12 (H) · 10 × 3 = 30 (L) · 7 × 1 = 7 (K) · 12 × 7 = 84 (S) · 8 × 8 = 64 (F) · 7 × 9 = 63 (U) · 4 × 9 = 36 (R) · 12 × 12 = 144 (N) · 11 × 11 = 121 (D) · 3 × 5 = 15 (O) · 6 × 11 = 66 (E) · 9 × 5 = 45 (P) · 10 × 10 = 100 (A)

Clue 5 (Division facts (1-12)): surviving statement is box 7 → Count Valentine

4 ÷ 2 = 2 · 6 ÷ 1 = 6 · 9 ÷ 1 = 9 · 27 ÷ 9 = 3 · 16 ÷ 4 = 4 · 50 ÷ 10 = 5 · 50 ÷ 5 = 10 · 84 ÷ 7 = 12 · 33 ÷ 3 = 11 · 56 ÷ 7 = 8 · 5 ÷ 5 = 1