

Grade 3 · Adding and Subtracting Within 1,000

· Worksheet Answer Key

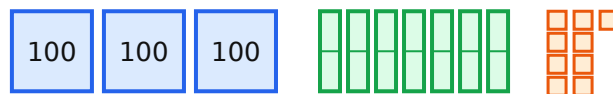
Common Core 3.NBT.A.2 · mathovore.fr

Every solution shows each step, including regrouping, so students can find where an error started. The final answer is in bold. Use the checks at the end to make sure each result makes sense.

Grade 3 Common Core: 3.NBT.A.2

Problem 1: Adding with blocks

Add each place. Ones: $3+6=9$. Tens: $20+50=70$. Hundreds: $100+200=300$.



379

The sum, 379, drawn with blocks.

$123+256=379$. Answer: **379**

Problem 2: Adding with regrouping ones

1. Ones: $7+5=12$. Write 2 and regroup 1 ten.
2. Tens: $4+3+1=8$.
3. Hundreds: $2+1=3$.

$247+135=382$. Answer: **382**

Problem 3: Adding with regrouping tens

1. Ones: $2+1=3$.
2. Tens: $6+8=14$. Write 4 and regroup 1 hundred.
3. Hundreds: $3+2+1=6$.

$362+281=643$. Answer: **643**

Problem 4: Regrouping twice

1. Ones: $8+6=14$. Write 4 and regroup 1 ten.

2. Tens: $7+5+1=13$. Write 3 and regroup 1 hundred.
3. Hundreds: $4+2+1=7$.

$478+256=734$. Answer: **734**

Problem 5: Adding a two-digit number

1. Ones: $7+6=13$. Write 3 and regroup 1 ten.
2. Tens: $8+4+1=13$. Write 3 and regroup 1 hundred.
3. Hundreds: $5+0+1=6$.

$587+46=633$. Answer: **633**

Problem 6: Subtracting without regrouping

1. Ones: $6-3=3$.
2. Tens: $5-2=3$.
3. Hundreds: $7-4=3$.

$756-423=333$. Answer: **333**

Problem 7: Subtracting from blocks

Write $342-118$.

1. Ones: not enough ones to subtract 8, so regroup. Now there are 12 ones.
2. Ones: $12-8=4$.
3. Tens: $3-1=2$.
4. Hundreds: $3-1=2$.

$342-118=224$. Answer: **224**

Problem 8: Regrouping tens

1. Ones: $4-2=2$.
2. Tens: not enough tens to subtract 8, so regroup. Now there are 13 tens.
3. Tens: $13-8=5$.
4. Hundreds: $4-1=3$.

$534-182=352$. Answer: **352**

Problem 9: Regrouping ones

1. Ones: not enough ones to subtract 8, so regroup. Now there are 15 ones.
2. Ones: $15-8=7$.

3. Tens: not enough tens to subtract 4, so regroup. Now there are 11 tens.
4. Tens: $11 - 4 = 7$.
5. Hundreds: $6 - 3 = 3$.

$725 - 348 = 377$. Answer: **377**

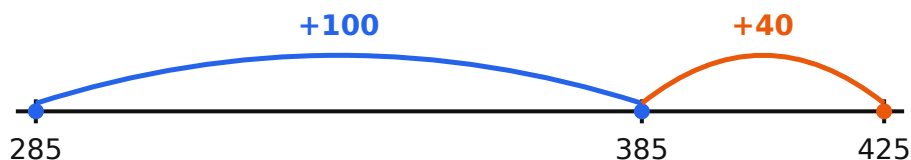
Problem 10: Subtracting across a zero

1. Ones: not enough ones to subtract 7, so regroup. Now there are 10 ones.
2. Ones: $10 - 7 = 3$.
3. Tens: $9 - 5 = 4$.
4. Hundreds: $5 - 2 = 3$.

$600 - 257 = 343$. Answer: **343**

Problem 11: Adding on a number line

$285 + 100 = 385$, then $385 + 40 = 425$.

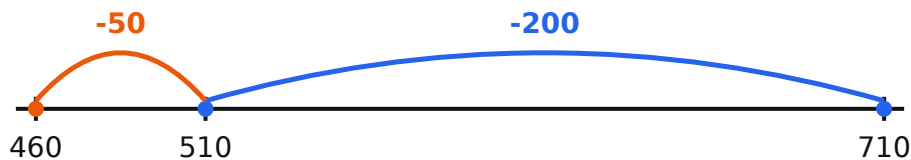


The jumps end at 425.

Answer: **425**

Problem 12: Subtracting on a number line

$710 - 200 = 510$, then $510 - 50 = 460$.



The jumps end at 460.

Answer: **460**

Problem 13: Using a friendly number

398 is 2 less than 400. Add $400 + 247 = 647$. Then take away the extra 2: $647 - 2 = 645$.

Answer: **645**

Problem 14: Subtracting a number close to 200

199 is 1 less than 200. Subtract $465 - 200 = 265$. Subtracting 1 too many means add 1 back: $265 + 1 = 266$.

Answer: **266**

Problem 15: Finding a missing addend

Subtract: $600 - 328 = 272$. Check: $328 + 272 = 600$.

Answer: **272**

Problem 16: Finding a missing start number

The start number is the difference plus the number taken away: $417 + 245 = 662$. Check: $662 - 245 = 417$.

Answer: **662**

Problem 17: Estimate, then solve

Estimate: round 489 to 500 and 312 to 300. $500 + 300 = 800$.

1. Ones: $9 + 2 = 11$. Write 1 and regroup 1 ten.
2. Tens: $8 + 1 + 1 = 10$. Write 0 and regroup 1 hundred.
3. Hundreds: $4 + 3 + 1 = 8$.

Exact sum: $489 + 312 = 801$, which is close to the estimate of 800.

Answer: estimate **800**, exact **801**

Problem 18: Checking with the inverse

Add the difference and the number taken away: $445 + 258 = 703$. The sum matches the start number.

Answer: **Yes, Maya is correct.**

Problem 19: Comparing sums

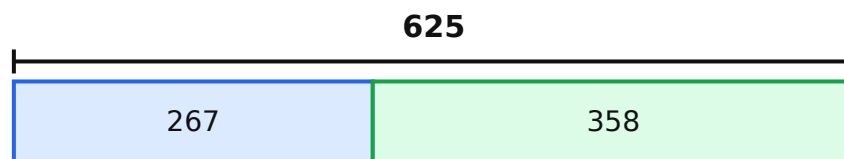
$468 + 275 = 743$ and $512 + 189 = 701$. The first sum is greater. $743 - 701 = 42$.

Answer: **468 + 275 is greater, by 42**

Problem 20: Bake sale cookies

Add the two days: $267 + 358$.

1. Ones: $7 + 8 = 15$. Write 5 and regroup 1 ten.
2. Tens: $6 + 5 + 1 = 12$. Write 2 and regroup 1 hundred.
3. Hundreds: $2 + 3 + 1 = 6$.



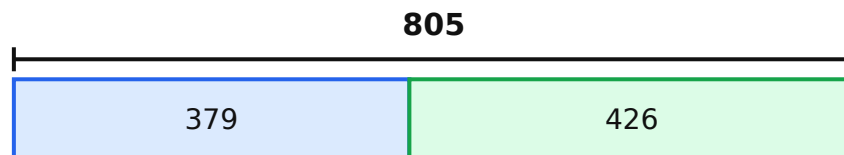
The total is 625.

Answer: **625 cookies**

Problem 21: Library books

Subtract: $805 - 379$.

1. Ones: not enough ones to subtract 9, so regroup. Now there are 15 ones.
2. Ones: $15 - 9 = 6$.
3. Tens: $9 - 7 = 2$.
4. Hundreds: $7 - 3 = 4$.



$379 + 426 = 805$.

Answer: **426 books**

Problem 22: Farmers market sales

1. Maya sold $156 + 238 = 394$ pieces of fruit.
2. Jamal sold $394 - 87 = 307$ pieces.

3. Together: $394 + 307 = 701$.

Answer: **701 pieces of fruit**

Problem 23: Road trip miles

1. Miles driven: $287 + 356 = 643$.

2. Miles left: $900 - 643 = 257$.

Answer: **257 miles**

Problem 24: Finding the mistake

Ones: $4 + 9 = 13$, so 1 ten must be regrouped. Liam forgot to add that 1 ten. Tens: $5 + 8 + 1 = 14$, so regroup 1 hundred. Hundreds: $3 + 2 + 1 = 6$.

Correct sum: $354 + 289 = 643$. Answer: **643; Liam forgot to add the regrouped ten**