

# Grade 3 - Adding and Subtracting Within 1,000 - Answer Key

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This **grade 3 add subtract 1000 answers** for 3rd Grade covers adding and subtracting within 1,000 (Common Core 3.NBT.A.2), with a free PDF to print.

Every solution shows the regrouping column by column, then gives the final answer in bold. Compare your steps with these, and use the check step (add the difference to the number subtracted) to find any slip.

**Grade 3** · Common Core State Standards: **3.NBT.A.2**

## Grade 3 add subtract 1000 answers: exercises 1 to 10

### Exercise 1 - Add, no regrouping

Ones:  $3+5=8$ . Write 8. Tens:  $1+7=8$ . Write 8. Hundreds:  $4+2=6$ . Write 6.

$413+275=688$ . Answer: **688**.

### Exercise 2 - Subtract, no regrouping

Ones:  $6-4=2$ . Tens:  $7-5=2$ . Hundreds:  $8-3=5$ .

$876-354=522$ . Check:  $522+354=876$ . Answer: **522**.

### Exercise 3 - Add with blocks

Total



After regrouping 11 ones as 1 rod and 1 one: 2 flats, 7 rods, 1 one.

Ones:  $3+8=11$ , so regroup 10 ones as 1 rod. Tens:  $4+2+1=7$ . Hundreds:  $1+1=2$ .

$143+128=271$ . Answer: **271 stickers**.

#### Exercise 4 - Regroup the ones

Ones:  $6+8=14$ . Write 4 and regroup 1 ten. Tens:  $7+5+1=13$ . Write 3 and regroup 1 hundred. Hundreds:  $2+1+1=4$ . Write 4.

$276+158=434$ . Answer: **434**.

#### Exercise 5 - Regroup the tens

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

$462+371=833$ . Answer: **833**.

#### Exercise 6 - Regroup twice

|       | hundreds | tens | ones |
|-------|----------|------|------|
|       | 1        | 1    |      |
| +     | 5        | 8    | 6    |
|       | 2        | 4    | 7    |
| <hr/> |          |      |      |
|       | 8        | 3    | 3    |

Two regroupings give 833.

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

$586+247=833$ . Answer: **833**.

#### Exercise 7 - Subtract and regroup a ten

Ones: 4 is less than 9, so regroup 1 ten as 10 ones:  $14-9=5$ . Tens: 1 is less than 3, so regroup 1 hundred as 10 tens:  $10-3=7$ . Hundreds:  $7-5=2$ .

$814-539=275$ . Check:  $275+539=814$ . Answer: **275**.

#### Exercise 8 - Subtract and regroup a hundred

Ones:  $3-1=2$ . Tens: 5 is less than 8, so regroup 1 hundred as 10 tens:  $15-8=7$ . Hundreds:  $3-2=1$ .

$453-281=172$ . Check:  $172+281=453$ . Answer: **172**.

### Exercise 9 - Subtract across zeros

|   | hundreds     | tens         | ones         |
|---|--------------|--------------|--------------|
|   | 3            | 9            | 10           |
|   | <del>4</del> | <del>0</del> | <del>0</del> |
| - | 1            | 6            | 7            |
|   | 2            | 3            | 3            |

400 becomes 3 hundreds, 9 tens and 10 ones.

Ones: 0 is less than 7 and the next digit is 0, so regroup 1 hundred as 10 tens, then 1 ten as 10 ones:  $10-7=3$ . Tens:  $9-6=3$ . Hundreds:  $3-1=2$ .

$400-167=233$ . Check:  $233+167=400$ . Answer: **233**.

### Exercise 10 - Read the number line

$358+200=558$ , then  $558+20=578$ , then  $578+6=584$ .

Answer: **584**.

## Exercises 11 and up

### Exercise 11 - Count up to subtract

$43+300+12=355$ .

Check:  $257+355=612$ . Answer: **355**.

### Exercise 12 - Make a friendly number

$400+145=545$ . Since 398 is 2 less than 400, take away 2:  $545-2=543$ .

Answer: **543**.

### Exercise 13 - Compensate to subtract

$502 - 300 = 202$ . Subtracting 300 took away 2 too many, so add 2 back:  $202 + 2 = 204$ .

Answer: **204**.

### Exercise 14 - Estimate first

487 rounds to 500 and 316 rounds to 300, so the estimate is  $500 + 300 = 800$ .

Ones:  $7 + 6 = 13$ . Write 3 and regroup 1 ten. Tens:  $8 + 1 + 1 = 10$ . Write 0 and regroup 1 hundred. Hundreds:  $4 + 3 + 1 = 8$ . Write 8.

$487 + 316 = 803$ . Answer: **803**.

803 is close to 800, so the answer is reasonable.

### Exercise 15 - Check with the inverse

Ones: 5 is less than 8, so regroup 1 ten as 10 ones:  $15 - 8 = 7$ . Tens: 3 is less than 6, so regroup 1 hundred as 10 tens:  $12 - 6 = 6$ . Hundreds:  $6 - 4 = 2$ .

$735 - 468 = 267$ . Check:  $267 + 468 = 735$ . Answer: **267**.

### Exercise 16 - Compare totals

Ones:  $9 + 5 = 14$ . Write 4 and regroup 1 ten. Tens:  $4 + 7 + 1 = 12$ . Write 2 and regroup 1 hundred. Hundreds:  $3 + 2 + 1 = 6$ . Write 6.

$349 + 275 = 624$  and  $624 > 612$ . Answer:  $349 + 275$  is greater than **612**.

### Exercise 17 - Find the missing digit

Subtract to find the missing addend:  $705 - 258 = 447$ .

Check:  $447 + 258 = 705$ . The missing digit is **4**.

### Exercise 18 - Library books

Ones:  $8+9=17$ . Write 7 and regroup 1 ten. Tens:  $6+5+1=12$ . Write 2 and regroup 1 hundred.  
Hundreds:  $2+3+1=6$ . Write 6.

$268+359=627$ . Answer: **627 books**.

### Exercise 19 - Ticket sales

Ones:  $5+6=11$ . Write 1 and regroup 1 ten. Tens:  $8+9+1=18$ . Write 8 and regroup 1 hundred.  
Hundreds:  $4+2+1=7$ . Write 7.

$485+296=781$ . Answer: **781 tickets**.

### Exercise 20 - Apples left

Ones: 0 is less than 7, so regroup 1 ten as 10 ones:  $10-7=3$ . Tens: 5 is less than 8, so regroup 1 hundred as 10 tens:  $14-8=6$ . Hundreds:  $6-3=3$ .

$750-387=363$ . Check:  $363+387=750$ . Answer: **363 apples**.

### Exercise 21 - Bake sale total

Add the first two:  $164+238=402$ . Then add the third:  $402+119=521$ .

Answer: **521 treats**.

### Exercise 22 - Pages left

Step 1, pages read:  $175+208=383$ .

Step 2, pages left:  $600-383=217$ .

Check:  $217+383=600$ . Answer: **217 pages**.

### Exercise 23 - Find the mistake

Ones: 2 is less than 7 and the next digit is 0, so regroup 1 hundred as 10 tens, then 1 ten as

10 ones:  $12 - 7 = 5$ . Tens:  $9 - 3 = 6$ . Hundreds:  $4 - 2 = 2$ .

$502 - 237 = 265$ . Check:  $265 + 237 = 502$ . Answer: **265**.

Aisha wrote  $7 - 2$  in the ones column, but 2 is less than 7, so she had to regroup instead.  
Correct difference: **265**.

## Key facts behind this grade 3 add subtract 1000 answers

### Key facts

- Within 1,000 means every number and every answer is 1,000 or less.
- 10 ones make 1 ten and 10 tens make 1 hundred; trading them is called regrouping.
- In addition, regroup when a column sum is 10 or more.
- In subtraction, regroup when the top digit is smaller than the bottom digit.
- Check a subtraction by adding the difference to the number subtracted.

## How to use this grade 3 add subtract 1000 answers

Cover each solution, solve the exercise again, then uncover it and compare every line. If your answer differs, find the first step that changed and redo the exercise from there.

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