Unit 7 · Addition and Subtraction within 1,000 Cheat Sheet

Unit 7 focus: adding three-digit numbers with models and new tens and hundreds

1 Big Idea

Add hundreds and hundreds, tens and tens, ones and ones. When a place has 10 or more, trade for one of the next place.

2 Important Vocabulary

hundreds place	The place that tells how many hundreds.	In 527, the 5 is in the hundreds place
compose	Put together 10 ones to make a ten, or 10 tens to make a hundred.	12 tens = 1 hundred and 2 tens
written method	Writing each place in a column and adding or subtracting place by place.	234 + 152 in columns
place-value chart	A chart with hundreds, tens, and ones columns.	3 hundreds, 4 tens, 6 ones in three columns

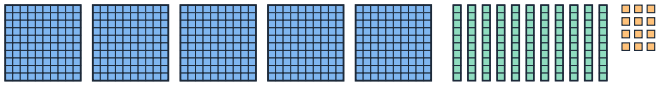
3 How It Works

Add 368 + 254.

Example: 368 + 254
Hundreds: 300 + 200 = 500
Tens: 60 + 50 = 110
Ones: 8 + 4 = 12
Total: 500 + 110 + 12 = 622

Answer: 622

4 Visual Model



5 hundreds, 11 tens, 12 ones: trade to get 6 hundreds, 2 tens, 2 ones = 622.

5 ★ Remember This · Watch Out!

★ Remember this

- Line up the places.
- A small 1 above a column shows a trade.

⚠ Watch out!

- **Writing 12 in the ones place:** write 2 and trade the ten
- **Forgetting the traded hundred:** add it to the hundreds column

6 Try It!

1. 247 + 135
   Answer: 382
2. 486 + 357
   Answer: 843

Answers are printed upside down. Turn the page to check!

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More practice: subtracting three-digit numbers, including across zeros

1 Big Idea

Subtract place by place. If a place does not have enough, break apart a ten or a hundred.

2 Important Vocabulary

decompose	Break a ten into 10 ones, or a hundred into 10 tens.	400 = 3 hundreds and 10 tens
across zeros	Subtracting from a number with zeros, like 500 or 403.	500 − 123: trade a hundred, then a ten
written method	Writing each place in a column and adding or subtracting place by place.	234 + 152 in columns
hundreds place	The place that tells how many hundreds.	In 527, the 5 is in the hundreds place

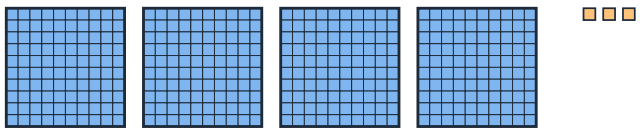
3 How It Works

Subtract 403 − 158.

Example: 403 − 158
Trade: 403 = 3 hundreds, 9 tens, 13 ones
Ones: 13 − 8 = 5
Tens: 9 − 5 = 4
Hundreds: 3 − 1 = 2

Answer: 245

4 Visual Model



403 has 0 tens: break apart a hundred into 10 tens first.

5 Remember This · Watch Out!

★ Remember this

- Check by adding the answer and the number taken away.
- You can also count up from the smaller number.

⚠ Watch out!

- **Smaller from larger:** in 432 − 158 you cannot do 8 − 2
- **Across zeros:** 500 → 4 hundreds, 9 tens, 10 ones

6 Try It!

1. 725 − 413
   Answer: 312
2. 600 − 274
   Answer: 326

Answers are printed upside down. Turn the page to check!