Adding and Subtracting Within 1000

Explore ideas and representations

Name _____ **Date** _____ **Score** _____ / 8

QUICK REVIEW

Add or subtract hundreds, tens, and ones, regrouping when needed. $268 + 157 = 300 + 110 + 15 = 425$. To subtract $425 - 157$, count up: $157 + 43 = 200$, $200 + 225 = 425$, so $43 + 225 = 268$. Addition checks subtraction: $268 + 157 = 425$.

Worked example

Add $364 + 178$ using place values.

1. Add place-value parts: $300 + 100 = 400$, $60 + 70 = 130$, and $4 + 8 = 12$.
2. Combine and regroup: $400 + 130 + 12 = 542$.
3. Check: $542 - 364 = 178$.
Answer: 542.

Practice Problems

Show your thinking.

1. Add $238 + 147$ using place values.

2. Subtract $604 - 268$. Use counting up or place values.

3. Add $326 + 259$ using place values.

4. Subtract $800 - 456$. Use counting up or place values.

5. Find $\square$ in $467 + \square = 595$. Show the subtraction and check.

6. A student reports $715 - 286 = 439$. Correct the difference using addition to check.

7. Add $354 + 278$ using place values.

8. Subtract $903 - 487$. Use counting up or place values.

Answer Key

1. 385.
2. 336.
3. 585.
4. 344.
5. $\square = 128$.
6. 429.
7. 632.
8. 416.

Step-by-Step Solutions

Follow each calculation, then check your own work.

Problem 1

1. Add place-value parts: $200 + 100 = 300$, $30 + 40 = 70$, and $8 + 7 = 15$.
2. Combine and regroup: $300 + 70 + 15 = 385$.
3. Check: $385 - 238 = 147$.

Problem 2

1. Count up from 268: $268 + 32 = 300$, then $300 + 304 = 604$.
2. The jumps total $32 + 304 = 336$; therefore $604 - 268 = 336$.
3. Check: $268 + 336 = 604$.

Problem 3

1. Add place-value parts: $300 + 200 = 500$, $20 + 50 = 70$, and $6 + 9 = 15$.
2. Combine and regroup: $500 + 70 + 15 = 585$.
3. Check: $585 - 326 = 259$.

Problem 4

1. Count up from 456: $456 + 44 = 500$, then $500 + 300 = 800$.
2. The jumps total $44 + 300 = 344$; therefore $800 - 456 = 344$.
3. Check: $456 + 344 = 800$.

Problem 5

1. Subtract the known part: $595 - 467 = 128$.
2. Check by adding: $467 + 128 = 595$.

Problem 6

1. Count up from 286: $286 + 14 = 300$, then $300 + 415 = 715$.
2. The jumps total $14 + 415 = 429$; therefore $715 - 286 = 429$.
3. Check: $286 + 429 = 715$.

Problem 7

1. Add place-value parts: $300 + 200 = 500$, $50 + 70 = 120$, and $4 + 8 = 12$.
2. Combine and regroup: $500 + 120 + 12 = 632$.
3. Check: $632 - 354 = 278$.

Problem 8

1. Count up from 487: $487 + 13 = 500$, then $500 + 403 = 903$.
2. The jumps total $13 + 403 = 416$; therefore $903 - 487 = 416$.
3. Check: $487 + 416 = 903$.

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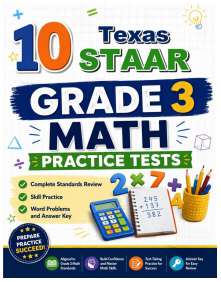

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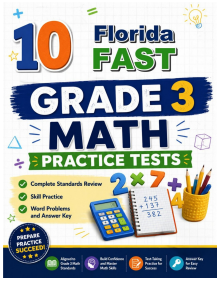

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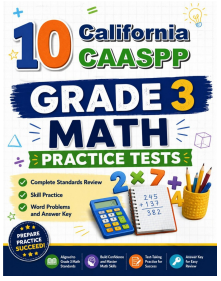

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