Name _____   Date _____

Addition and Place Value Quiz

1. Solve this problem using base-ten pieces and a base-ten recording sheet.

264
+ 377

1000s	100s	10s	1s	**Number Sentences**

2. Solve this problem using base-ten pieces and a number line.

268
+ 152

⟵————————————————————————⟶
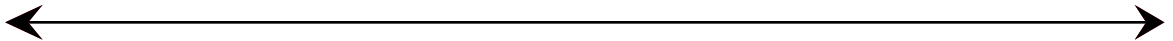
3. Explain an estimation strategy that shows your answer to Question 2 is reasonable.

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4. Solve these problems using any strategy or method you choose. Use the
Addition Strategies Menu page in the *Student Guide* Reference section. Use
a paper-and-pencil method at least once and a mental math strategy at least
once. Show your work.

A.   75
      + 27

B.   907
      + 568

C.   6653
      + 2839

5. Explain an estimation strategy that shows your answer to Question 4C is
reasonable.

6. Kris solved 363 + 458 using the compact method. What does the 1 above
the 3 mean?

$$\begin{array}{r} {}^{1}{}^{1} \\ 363 \\ +\ 458 \\ \hline 821 \end{array}$$

Name _____   Date _____

7. Ana solved this problem using the all-partials method. Explain Ana's step by the arrow.

```
      3 6 3
  +   4 6 8
      7 0 0
      1 2 0 ←——
  +     1 1
      8 3 1
```

8. Solve this problem using a mental-math strategy and a paper-and-pencil method. Circle the strategy you think is the best choice for this problem. Explain.

```
      4 2 5
  +   2 0 6
```

Addition and Place Value Quiz Feedback Box	Expec-tation	Check In	Comments
Represent and solve addition problems using base-ten pieces and number lines. [Q# 1–2]	E2		
Add using mental math strategies. [Q# 4 and 8]	E3		
Add using paper-and-pencil methods. [Q# 2, 4, 6–8]	E4		
Estimate sums using mental math strategies. [Q# 2–3, 5]	E5		