

PARTITION ON A NUMBER LINE

- 1 Start at 4,997 and jump +3 to land on 5,000.
- 2 Then jump +300 to 5,300, +80 to 5,380 and +6 to 5,383.
- 3 The total is 5,383.

WARM-UP

On each ruled line write the strategy name and the final answer for the sum shown.

1. Record the compensation steps and answer for $4,997 + 386$
2. Record the round-and-adjust steps and answer for $8,012 - 1,995$
3. Record the partition steps and answer for $3,450 + 2,780$

4,997 + 386: _____

8,012 - 1,995: _____

3,450 + 2,780: _____

PRACTICE

- 1 In the board game, Sam scores 2,997 points then adds 465 more.

$2,997 + 465 = ?$

- 2 The two teams score 4,160 and 2,750 points in the quiz game.

$4,160 + 2,750 = ?$

- 3 The player reaches 5,996 then gains 247 more points on the dice game.

$5,996 + 247 = ?$

- 4 The puzzle score of 6,998 rises by another 457 points.

$6,998 + 457 = ?$

- 5 The running total of 7,003 drops by 248 in the next round.

$7,003 - 248 = ?$

? ALWAYS, SOMETIMES, NEVER

Always, sometimes or never true? Write A, S or N.

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|---|--|
| a. Partitioning 347 into $300 + 40 + 7$ is the only way to split it. <input type="text"/> | c. Round-and-adjust needs you to round both numbers. <input type="text"/> |
| b. Compensation makes $456 + 299$ easier to work out in your head. <input type="text"/> | d. Mental strategies are quicker than columns for numbers over 1,000. <input type="text"/> |