

G2-M5-Lesson 18

1. Use the arrow way and counting on to solve.

$$300 - 164 = 136 \quad 164 \xrightarrow{+6} 170 \xrightarrow{+30} 200 \xrightarrow{+100} 300$$

The arrow way is efficient. I add ones, tens, and hundreds to get to benchmark, or friendly, numbers. That makes counting on easy!

I added $6 + 30 + 100$. That equals 136. So $300 - 164 = 136$.

2. Choose a strategy to solve, and explain why you chose that strategy.

$$500 - 280 = 220$$

+20	500
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+20	280
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Compensation works best for this problem because I notice 280 is close to 300. It's easy to subtract 300, so I add 20 to each number. That makes a problem that's easier to solve, $520 - 300 = 220$. So $500 - 280 = 220$.

3. Explain why $400 - 173$ is the same as $399 - 172$.

-1	400
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-1	173
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I can explain by using compensation like I did for Problem 2, except this time I'll subtract. When I subtract 1 from each number in $400 - 173$, I see that the expression becomes $399 - 172$!

$$400 - 173 = 399 - 172$$