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| **Estimating Sums and Differences** | | | |
| Uses front-end estimation  Estimate: 28 + 46 + 177 + 158  20 + 40 + 100 + 100 = 260  “I estimate about 260.” | Uses rounding to write each number to the nearest ten  Estimate: 28 + 46 + 177 + 158  30 + 50 + 180 + 160 = 420  “I estimate about 420.” | Uses rounding and compensation  Estimate: 28 + 46 + 177 + 158 I’ll round two up and two down.  30 + 40 + 170 + 160 = 400  “I estimate about 420.” | Estimates flexibly to check reasonableness of solutions  3123 + 1248 + 4169 + 1150 = 9690  Estimate to check:  123 + 169 is about 300,  so 3123 + 4169 is about 7300.  248 + 150 is about 400,  so 1248 + 1150 is about 2400.  7300 + 2400 is 9700.  Since 9690 is close to 9700,  the solution seems reasonable. |
| **Observations/Documentation** | | | |
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