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| **Estimating Sums and Differences** | | | |
| Uses front-end estimation  Estimate: 48 + 18 + 17  40 + 10 + 10 = 60  “I estimate about 60.” | Uses rounding to write each number to the nearest ten  Estimate: 48 + 18 + 17  50 + 20 + 20 = 90  “I estimate about 90.” | Uses rounding and compensation  Estimate: 48 + 18 + 17  “I’ll round two up and one down so the numbers balance.”  50 + 20 + 10 = 80  “I estimate about 80.” | Estimates flexibly to check reasonableness of solution  15 + 51 + 39 = 107  Estimate to check:  15 + 39 is about 50.  51 is close to 50.  50 + 50 = 100  “Since 107 is close to 100, the solution seems reasonable.” |
| **Observations/Documentation** | | | |
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