

# Activity 7 Assessment

## Consolidating Fluency with Addition and Subtraction

### Conceptual Meaning of Whole Number Addition and Subtraction

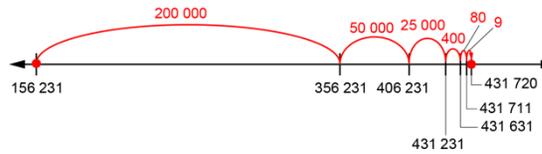
Recognizes addition and subtraction situations to 1 000 000

How many views did the video get on its first two days online?

“To find the total number of views, I need to add the number of views on Day 1 and the number of views on Day 2.”

Models and symbolizes ways to solve problems to 1 000 000

$$156\,231 + 275\,489 = ?$$



Uses an understanding of place value to decompose numbers to solve problems to 1 000 000

$$\begin{aligned} 156\,231 &= 100\,000 + 50\,000 + 6\,000 + 200 + 30 + 1 \\ 275\,489 &= 200\,000 + 70\,000 + 5\,000 + 400 + 80 + 9 \\ 156\,231 + 275\,489 &= 300\,000 + 120\,000 + 11\,000 + 600 + 110 + 10 \\ &= 431\,720 \end{aligned}$$

“I added hundred thousands with hundred thousands, ten thousands with ten thousands, thousands with thousands, and so on. I added like units.”

### Observations/Documentation

# Activity 7 Assessment

## Consolidating Fluency with Addition and Subtraction

### Conceptual Meaning of Whole Number Addition and Subtraction (cont'd)

Uses an understanding of place value to add and subtract to 1 000 000 using the standard algorithm

$$968\ 867 - 790\ 283 = ?$$

$$\begin{array}{r} \phantom{0}8\phantom{0}1\phantom{0}0\phantom{0}0 \\ 968\ 867 \\ - 790\ 283 \\ \hline 178\ 584 \end{array}$$

"I used the standard algorithm."

Estimates to determine if answer to problem is reasonable

$$968\ 867 - 790\ 283 = ?$$

"968 867 is close to 970 000 and 790 283 is close to 800 000.

$$970\ 000 - 800\ 000 = 170\ 000.$$

178 584 is close to 170 000.

So, my answer is reasonable."

Creates and solves multi-step addition and subtraction problems flexibly using a variety of strategies

A dancing monkey video got 54 977 likes one day and 127 522 likes the next. How many more likes does it need to reach 250 000?

$$\begin{array}{r} \phantom{0}1\phantom{0}1\phantom{0}1 \\ 54\ 977 \\ + 127\ 552 \\ \hline 182\ 529 \end{array} \qquad \begin{array}{r} \phantom{0}1\phantom{0}14\phantom{0}9\phantom{0}99\phantom{0}1 \\ 250\ 000 \\ - 182\ 529 \\ \hline 67\ 471 \end{array}$$

### Observations/Documentation