

Name:  American egg

#: 6

Date: 9/24/26

3-Digit Subtraction Artifact

Standard Being Assessed: 3.NBT.2

The Student will **use place value** to subtract whole numbers up to and including 1,000:

- Use estimation strategies to assess reasonableness of answers.
- Use expanded form to decompose numbers and then find differences.

③

Achievement Level BEFORE corrections: _____

Achievement Level AFTER corrections: _____

Directions: Estimate BEFORE and then subtract using expanded form/decomposition.

1. (L2) $86 - 25 = \underline{61}$

Estimate:

$$\begin{array}{r} 86 \approx 90 \\ 25 \approx 30 \\ \hline 60 \end{array}$$

Solve:

$$\begin{array}{r} 86 \rightarrow 80 + 6 \\ - 25 \rightarrow 20 + 5 \\ \hline 60 + 1 = \underline{61} \end{array}$$

2. (L2) $549 - 326 = \underline{223}$

Estimate:

$$\begin{array}{r} 549 \approx 500 \\ 326 \approx 300 \\ \hline 200 \end{array}$$

Solve:

$$\begin{array}{r} 549 \rightarrow 500 + 40 + 9 \\ - 326 \rightarrow 300 + 20 + 6 \\ \hline 200 + 20 + 3 = \underline{223} \end{array}$$

3. (L3) $846 - 523 = \underline{323}$

Estimate:

$$\begin{array}{r} 846 \approx 800 \\ 523 \approx 500 \\ \hline 300 \end{array}$$

Solve:

$$\begin{array}{r} 846 \rightarrow 800 + 40 + 6 \\ - 523 \rightarrow 500 + 20 + 3 \\ \hline 300 + 20 + 3 = \underline{323} \end{array}$$

4. (L3) $672 - 318 = \underline{\hspace{2cm}}$

Estimate:

$$\begin{array}{r} 672 \approx 700 \\ 318 \approx 300 \\ \hline 400 \end{array}$$

Solve:

$$\begin{array}{r} 672 \rightarrow 600 + 70 + 2 \\ - 318 \rightarrow 300 + 10 + 8 \\ \hline 300 + 50 + 4 = \underline{354} \end{array}$$

Directions: Use the CUBES strategy to solve the problem. Remember to use estimation to check for reasonableness.

5. (L3) Trisha read 168 pages of her book. Her book is 235 pages. How many pages does Trisha have left to read?

$$\begin{array}{r} 235 \approx 200 \\ 168 \approx 200 \\ \hline 600 \end{array}$$

$$\begin{array}{r} 235 \rightarrow 200 + 30 + 5 \\ -168 \rightarrow 100 + 60 + 8 \\ \hline \end{array}$$

$$100 + 60 + 7 = 67$$



6. (L3) The Harlins are going on a road trip. They drove 343 miles on Monday and 529 miles on Tuesday. How many more miles did they drive on Tuesday than Monday?

$$\begin{array}{r} 529 \approx 500 \\ 343 \approx 300 \\ \hline 200 \end{array}$$

$$\begin{array}{r} 529 \rightarrow 500 + 20 + 9 \\ -343 \rightarrow 300 + 40 + 3 \\ \hline \end{array}$$

$$100 + 80 + 6 = 186$$

