

Grade 3 Unit 3

Lesson 8

CC BY 2021 Illustrative Mathematics®

Unit 3 Lesson 8: Subtraction Algorithms (Part 1)

WU Number Talk: Subtraction Strategies (Warm up)

Student Task Statement

Find the value of each expression mentally.

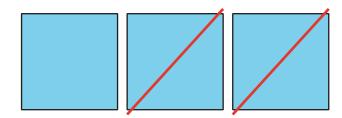
- 100 − 98
- 101 99
- 200 **-** 98
- 204 **-** 98

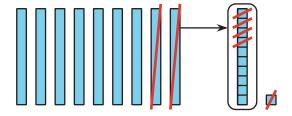
1 From Drawings to an Algorithm

Student Task Statement

Jada and Kiran found the value of 391 - 215. Their work is shown.

Jada's drawing





Kiran's algorithm

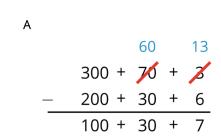
- 1. Explain how Kiran's algorithm starts.
- 2. Explain how Kiran recorded the decomposition of the ten into more ones.

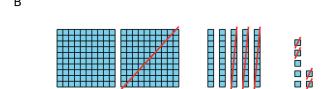
3. Finish Kiran's work.

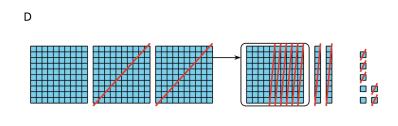
2 Card Sort: Diagrams and Algorithms

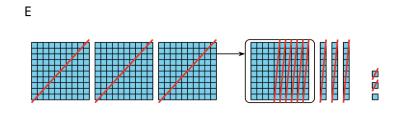
Student Task Statement

Your teacher will give you a set of cards. Match each diagram with an algorithm.









$$\begin{array}{r}
200 & 120 \\
300 + 20 + 7 \\
- & 100 + 80 + 5 \\
\hline
100 + 40 + 2
\end{array}$$

Images for Activity Synthesis

$$\begin{array}{r}
60 & 13 \\
500 + 70 + 3 \\
- 200 + 30 + 6 \\
\hline
300 + 30 + 7
\end{array}$$