Subtraction Algorithms (Part 1)

Let's learn a new way to subtract.

Warm-up

Number Talk: Subtraction Strategies

Find the value of each expression mentally.

- $100 - 98$
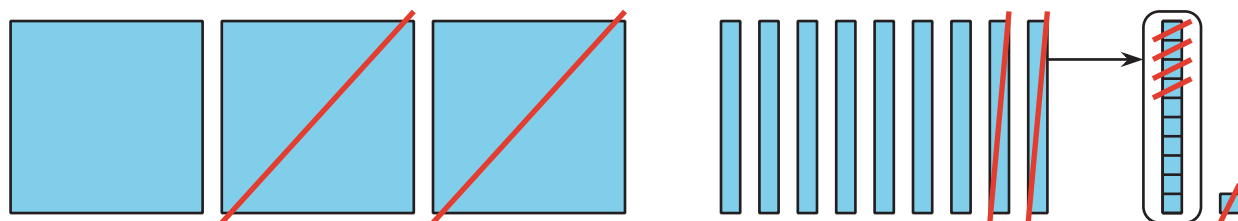
- $101 - 99$

- $200 - 98$

- $204 - 98$

From Drawings to an Algorithm

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

Jada's drawing

Kiran's algorithm

$$
\begin{array}{r}
\overset{80}{}\ \ \overset{11}{} \\
300 + \cancel{90} + \cancel{1} \\
-\ \ 200 + 10 + 5 \\
\hline
\end{array}
$$

1. Explain how Kiran's algorithm starts.

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2. Explain how Kiran recorded decomposing 1 ten into more ones.

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3. Finish Kiran's work.

Card Sort: Diagrams and Algorithms

Your teacher will give you a set of cards. Match each diagram to an algorithm. Be ready to explain your reasoning.