## Grade 4 Unit 9

Lesson 4
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## Unit 9 Lesson 4: Another Look at the Standard Algorithm

WU Number Talk: Differences (Warm up)

## Student Task Statement

Find the value of each difference mentally.

- 87-24
- 387-124
- 6,387-129
- 6,387-4,329


## 1 Lots of Zeros

## Student Task Statement

1. Find the value of each difference.
a.

| 700 |
| ---: |
| $-\quad 16$ |

b.

| 7,000 |
| ---: |
| $-\quad 106$ |

c.

| 70,000 |
| ---: |
| $-\quad 1$ |

d.
700,000
$-\quad 16$
2. Find the number that makes each expression true.
a.
43

b.

c.
d.


## 2 Ways of Finding Differences

## Student Task Statement

To find the value of 20,000 - 472, Priya and Han set up their calculations differently.
Priya
20,000
$-\quad 472$

Han
472
$+$
20,000

1. Use both methods to find the difference of 20,000 and 472.
2. Kiran uses another method. Explain how Kiran found the value of 20,000-472.

$$
\begin{aligned}
472+8 & =480 \\
480+20 & =500 \\
500+500 & =1,000 \\
1,000+19,000 & =20,000 \\
19,000+500+20 & +8=19,528
\end{aligned}
$$

3. Which method do you prefer? Or do you prefer another way? Explain your reasoning.
4. Find the value of $50,400-1,389$. Show your reasoning.

Images for Activity Synthesis

$$
\begin{array}{r}
111 \\
1389 \\
+\quad 49010 \\
\hline 50400
\end{array}
$$



