Help Them Finish

Many Ways to Solve a Problem

Tara, Luis, Fern, and Josh started solving 89 + 38. Before they could finish, the fire alarm rang. Help the students finish the problems using the method they chose.
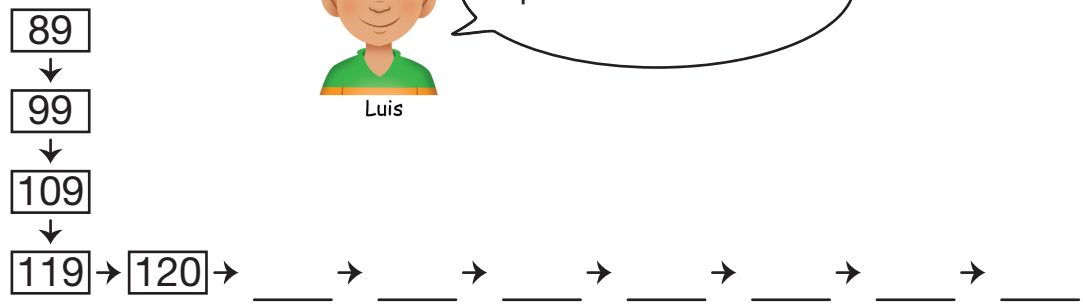
1. 89 + 38 =
Tara's method:

$$89 = 80 + 9$$
$$\underline{+\ 38} = \underline{\hspace{2cm}}$$

2. 89 + 38 =
Luis's method:

I pictured a 200 Chart.

Luis

89
↓
99
↓
109
↓
119 → 120 → ____ → ____ → ____ → ____ → ____ → ____ → ____

3. 89 + 38 =
Fern's method:

+10   +10   +10   +10

89   99   109   119   ____
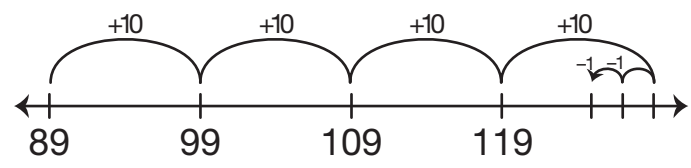
Number sentence _____

4. 89 + 38 =

Josh's method:

```
     89
  +  38
    110
  +
```

Compact Method

This is Julia's method for solving 89 + 38:

```
    1
    89
  + 38
   127
```

Julia

5. A. How did Julia show that she traded some bits for a skinny?

B. What does the 7 stand for?

C. Julia added 8 tens + 3 tens + 1 ten. How many tens does that make?

6. A. Finish the problem using Julia's method.

```
   □
   37
 + 17
  □4
```

B. Solve this problem using Julia's method.

```
    27
  + 35
```