## Lesson 11: Different Partial Quotients

- Let's use what we know about multiplication and place value to find quotients.


## Warm-up: Notice and Wonder: Ways to Record

What do you notice? What do you wonder?

Clare's strategy:


Jada's strategy:

$$
130 \div 13=10
$$

$$
130 \div 13=10
$$

$$
65 \div 13=5
$$

$$
39 \div 13=3
$$

$$
364 \div 13=28
$$

## 11.1: Division Expressions

Take turns:

1. Choose a set of expressions that, when added together, is equal to $308 \div 14$. Not all expressions will be used.
2. Explain to your partner how you know that your cards represent a sum that is equal to $308 \div 14$.
(Pause for teacher directions.)
3. Choose one of the sets of expressions whose sum is equal to $308 \div 14$ and use it to find the value of $308 \div 14$.

## 11.2: Choose Your Own Partial Quotients

For each expression, choose one of the partial quotients and, beginning with that expression, find the value of the quotient.

1. $360 \div 15$

- $150 \div 15$
- $300 \div 15$
- $60 \div 15$

2. $945 \div 45$

- $45 \div 45$
- $450 \div 45$
$\circ 900 \div 45$

3. $992 \div 31$

- $62 \div 31$
- $341 \div 31$
- $310 \div 31$

4. How did you decide which partial quotient to use to begin finding the quotient? Did you change your mind with any of the problems?
