## Lesson 13: Divide Using Partial Quotients

* Let's use an algorithm using partial quotients to divide three-digit and four-digit dividends by two-digit divisors.

### Warm-up: Number Talk: Divide

Find the value of each expression mentally.

* $110÷10$
* $121÷11$
* $132÷12$
* $154÷14$

### 13.1: Compare Solutions

1. Use an algorithm using partial quotients to find the value of one of the quotients. Be prepared to explain how you found the quotient.
* Partner 1:
* Partner 2:
* 
* 
1. Explain to your partner how you found the value of the quotient.
2. Pair up with another group and compare your work.

### 13.2: Estimate and Solve

Estimate the value of each quotient. Then, use an algorithm using partial quotients to find the value.

1. A reasonable estimate for $612÷34$ is:
* 
1. A reasonable estimate for $529÷23$ is:
* 
1. A reasonable estimate for $1,​044÷29$ is:
* 



© CC BY 2021 Illustrative Mathematics®