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| **MODULE:** 7 | **LESSON:** 2 | APPLYING RATIO AND RATE REASONING |

You can solve problems with proportions in two ways.

**A. Use equivalent ratios.**

Hanna can wrap 3 boxes in 15 minutes.

How many boxes can she wrap in 45 minutes?

  

3 × 3  ?

15 × **3**  45



Hanna can wrap 9 boxes in 45 minutes.

**B. Use unit rates.**

Dan can cycle 7 miles in 28 minutes.

How long will it take him to cycle 9 miles?

 

Divide by 7.

    , or 4 minutes per mile

To cycle 9 miles, it will take Dan 9 × 4, or 36 minutes.