

# 6.NS Dividing by a Fraction is the Same as Multiplying by its Reciprocal

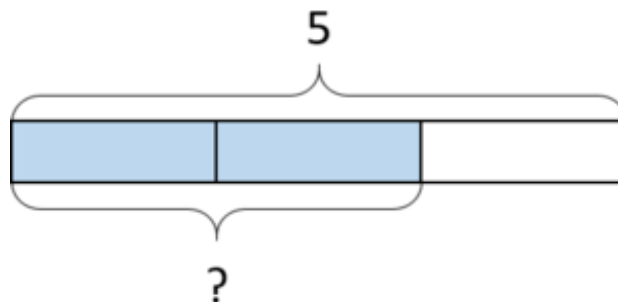
## Task

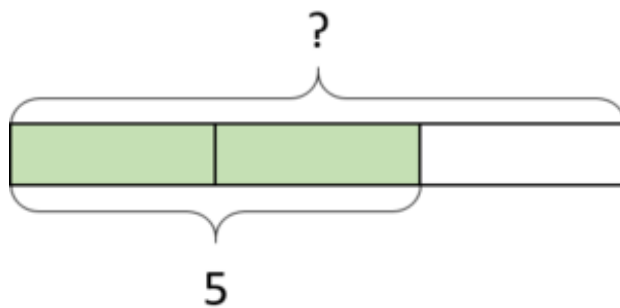
**Part 1:** Match each of the three equations with one of the two diagrams below. Explain how the diagram represents the equation.

$$\frac{2}{3} \times 5 = ?$$

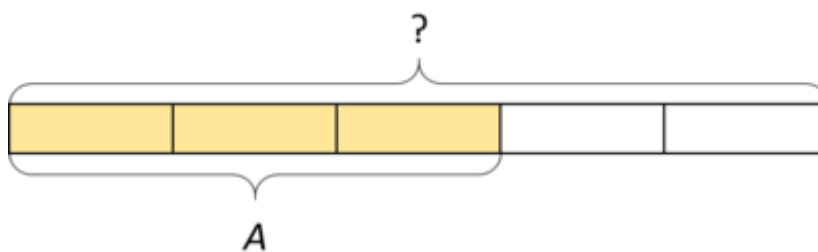
$$\frac{2}{3} \times ? = 5$$

$$\frac{3}{2} \times 5 = ?$$





**Part 2:** Explain how the diagram below represents both of the equations below.



$$\frac{3}{5} \times ? = A$$

$$\frac{5}{3} \times A = ?$$

Write the first equation as a division equation. Put it together with the second equation without a ? in it.



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