

$$6 \div \frac{2}{5}$$

$$\underbrace{6 \div \frac{2}{5}}_{\text{Division by fraction}} = \frac{6}{\frac{2}{5}} = \frac{6 \times \frac{5}{2}}{\frac{2}{5} \times \frac{5}{2}} = \frac{6 \times \frac{5}{2}}{1} = \underbrace{6 \times \frac{5}{2}}_{\text{Multiplication by reciprocal}}$$

SAME!

DIVISION BY A FRACTION IS MULTIPLICATION
BY THE RECIPROCAL.