


SIMPLIFYING FIRST TO MAKE IT EASIER

$$\frac{25}{26} \div \frac{5}{13}$$

$$\frac{25}{26} \times \frac{13}{5}$$


$$\frac{\overset{\cdot}{5} \cancel{25}}{\underset{\cdot}{5} \cancel{26}} \times \frac{\overset{\cdot}{13} \cancel{13}}{\underset{\cdot}{13} \cancel{26}}$$

$$\rightarrow \frac{5}{1} \times \frac{1}{2} = \frac{5}{2}$$

Total amount \div # of groups = amount in each group

Total amount \div amount in each group = # of groups

Total amount is always the 1st #

ex. I want to spend $\frac{2}{3}$ of an hour practicing each song I sing.
I have 9 hours to practice. How many songs can I practice?

$$9 \text{ hrs} \times \frac{2}{3} \text{ hr/song} = \frac{27}{2} = 13 \frac{1}{2}$$

\rightarrow 13 songs

Example 1

Find each quotient.

a) Benny has one-half a litre of milk to pour equally among 3 glasses.

How much milk should he pour into each glass?

b) Chen and Luke equally shared $\frac{3}{4}$ of a pizza.

How much of the whole pizza was each person's share?


$$\frac{1}{2} \div 3$$


$$\frac{3}{4} \div 2$$

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CHALLENGE: #17, 19