

In ~~space~~ write a proportion and use different strategies
olve for the problem.

① Giant one (equivalent fractions/ratios)

$$\frac{3}{1} = \frac{15}{x} \quad \boxed{x=5}$$

Arrows labeled 'x5' indicate that both the numerator and denominator of the second fraction are multiplied by 5 to get the first fraction.

* What do we multiply or divide the top & bottom by?

SAME THING on top/bottom

② cross multiplication (\neq divide!)

$$\frac{7}{4} = \frac{5}{x}$$

The diagram shows the cross-multiplication process where the diagonals are circled: 7 and x, and 4 and 5.

$$7 \cdot x = 4 \cdot 5$$

divide \downarrow

$$\frac{7x}{7} = \frac{20}{7}$$

$$\boxed{x = 2.86}$$

① circle the diagonals

② Multiply the insides of the circles

③ simplify! Get rid of x sign

④ get x by itself by dividing by the # in front of x