

SOLVING PROPORTIONS

YOU CAN SOLVE A PROPORTION USING RATIO TABLES. USE A LETTER TO STAND IN FOR THE MISSING NUMBER.

def

VARIABLE IS A ~~NUMBER~~ LETTER OR SYMBOL TO REPRESENT AN UNKNOWN NUMBER.

Ex: $\frac{4}{36} = \frac{u}{9}$

4	u
36	9

$u=1$

$\frac{u}{36} = \frac{1}{9}$ $u=4$

YOU TRY:

1) $\frac{r}{15} = \frac{4}{10} = \frac{2}{5}$

$r=6$

$4 \times 15 = 60$

2) $\frac{48}{5} = \frac{20}{y}$

$y=25$

$\frac{1}{7.5} = \frac{3}{x}$

3) $\frac{x}{30} = \frac{3}{4}$

$x=22.5$

4) $\frac{2.5}{5} = \frac{j}{4}$

$j=2$

5) $\frac{12}{a} = \frac{21}{7}$

$a=4$

6) $\frac{k}{3} = \frac{14}{21}$

$k=2$