

Solve each proportion. Leave your answer as a fraction in simplest form.

13) $\frac{9}{8} = \frac{k+6}{6}$

14) $\frac{2}{10} = \frac{4}{a-3}$

15) $\frac{10}{p+2} = \frac{4}{3}$

16) $\frac{4}{6} = \frac{8}{x-1}$

17) $\frac{m}{8} = \frac{m+7}{9}$

18) $\frac{n}{n+1} = \frac{3}{5}$

19) $\frac{9}{4} = \frac{r-10}{r}$

20) $\frac{x+6}{x} = \frac{10}{7}$

21) $\frac{n-9}{n+5} = \frac{7}{4}$

22) $\frac{6}{b+9} = \frac{4}{b+5}$

23) $\frac{8}{3} = \frac{v-9}{7v+4}$

24) $\frac{8}{5x-4} = \frac{6}{x+5}$

Critical thinking questions:

25) Do you think that a person's age and the amount they eat each day are basically in proportion?

26) Find one solution to:

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