

8.1 Practice - Proportions

Solve each proportion.

$$1) \frac{10}{a} = \frac{6}{8}$$

$$3) \frac{7}{6} = \frac{2}{k}$$

$$5) \frac{6}{x} = \frac{8}{2}$$

$$7) \frac{m-1}{5} = \frac{8}{2}$$

$$9) \frac{2}{9} = \frac{10}{p-4}$$

$$11) \frac{b-10}{7} = \frac{b}{4}$$

$$13) \frac{x}{5} = \frac{x+2}{9}$$

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

$$17) \frac{v-5}{v+6} = \frac{4}{9}$$

$$19) \frac{7}{x-1} = \frac{4}{x-6}$$

$$21) \frac{x+5}{5} = \frac{6}{x-2}$$

$$23) \frac{m+3}{4} = \frac{11}{m-4}$$

$$25) \frac{2}{p+4} = \frac{p+5}{3}$$

$$27) \frac{n+4}{3} = \frac{-3}{n-2}$$

$$29) \frac{3}{x+4} = \frac{x+2}{5}$$

$$2) \frac{7}{9} = \frac{n}{6}$$

$$4) \frac{8}{x} = \frac{4}{8}$$

$$6) \frac{n-10}{8} = \frac{9}{3}$$

$$8) \frac{8}{5} = \frac{3}{x-8}$$

$$10) \frac{9}{n+2} = \frac{3}{9}$$

$$12) \frac{9}{4} = \frac{r}{r-4}$$

$$14) \frac{n}{8} = \frac{n-4}{3}$$

$$16) \frac{x+1}{9} = \frac{x+2}{2}$$

$$18) \frac{n+8}{10} = \frac{n-9}{4}$$

$$20) \frac{k+5}{k-6} = \frac{8}{5}$$

$$22) \frac{4}{x-3} = \frac{x+5}{5}$$

$$24) \frac{x-5}{8} = \frac{4}{x-1}$$

$$26) \frac{5}{n+1} = \frac{n-4}{10}$$

$$28) \frac{1}{n+3} = \frac{n+2}{2}$$

$$30) \frac{x-5}{4} = \frac{-3}{x+3}$$