

1.1 les proportions algébriques

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Résous.

$$1) \frac{v-10}{10} = \frac{6}{2}$$

$$2) \frac{2}{4} = \frac{p+5}{10}$$

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

$$4) \frac{3}{6} = \frac{2}{x-8}$$

$$5) \frac{5}{9} = \frac{n+10}{8}$$

$$6) \frac{10}{5} = \frac{x-3}{2}$$

$$7) \frac{9}{b-8} = \frac{6}{9}$$

$$8) \frac{5}{3} = \frac{n+4}{7}$$

$$9) \frac{p-3}{p} = \frac{7}{2}$$

$$10) \frac{4}{8} = \frac{n+6}{n}$$

$$11) \frac{x-2}{9} = \frac{x}{4}$$

$$12) \frac{9}{p-9} = \frac{6}{p}$$

$$13) \frac{5}{r} = \frac{6}{r+1}$$

$$14) \frac{8}{3} = \frac{r-3}{r}$$

$$15) \frac{9}{x-4} = \frac{8}{x}$$

$$16) \frac{8}{m} = \frac{7}{m+8}$$

$$17) \frac{a-7}{a} = \frac{8}{3}$$

$$18) \frac{n+7}{n} = \frac{10}{8}$$

$$19) \frac{10}{n-3} = \frac{2}{n-8}$$

$$20) \frac{10}{x+3} = \frac{8}{x-9}$$

$$21) \frac{x+1}{10} = \frac{x-9}{4}$$

$$22) \frac{b+2}{b-3} = \frac{2}{5}$$

$$23) \frac{r+4}{r+8} = \frac{6}{5}$$

$$24) \frac{6}{5} = \frac{a-5}{a+9}$$

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Résous.

$$1) \frac{v-10}{10} = \frac{6}{2}$$

$\{40\}$

$$2) \frac{2}{4} = \frac{p+5}{10}$$

$\{0\}$

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

$\left\{-\frac{2}{5}\right\}$

$$4) \frac{3}{6} = \frac{2}{x-8}$$

$\{12\}$

$$5) \frac{5}{9} = \frac{n+10}{8}$$

$\left\{-\frac{50}{9}\right\}$

$$6) \frac{10}{5} = \frac{x-3}{2}$$

$\{7\}$

$$7) \frac{9}{b-8} = \frac{6}{9}$$

$\left\{\frac{43}{2}\right\}$

$$8) \frac{5}{3} = \frac{n+4}{7}$$

$\left\{\frac{23}{3}\right\}$

$$9) \frac{p-3}{p} = \frac{7}{2}$$

$\left\{-\frac{6}{5}\right\}$

$$10) \frac{4}{8} = \frac{n+6}{n}$$

$\{-12\}$

$$11) \frac{x-2}{9} = \frac{x}{4}$$

$\left\{-\frac{8}{5}\right\}$

$$12) \frac{9}{p-9} = \frac{6}{p}$$

$\{-18\}$

$$13) \frac{5}{r} = \frac{6}{r+1}$$
$$\{5\}$$

$$14) \frac{8}{3} = \frac{r-3}{r}$$
$$\left\{-\frac{9}{5}\right\}$$

$$15) \frac{9}{x-4} = \frac{8}{x}$$
$$\{-32\}$$

$$16) \frac{8}{m} = \frac{7}{m+8}$$
$$\{-64\}$$

$$17) \frac{a-7}{a} = \frac{8}{3}$$
$$\left\{-\frac{21}{5}\right\}$$

$$18) \frac{n+7}{n} = \frac{10}{8}$$
$$\{28\}$$

$$19) \frac{10}{n-3} = \frac{2}{n-8}$$
$$\left\{\frac{37}{4}\right\}$$

$$20) \frac{10}{x+3} = \frac{8}{x-9}$$
$$\{57\}$$

$$21) \frac{x+1}{10} = \frac{x-9}{4}$$
$$\left\{\frac{47}{3}\right\}$$

$$22) \frac{b+2}{b-3} = \frac{2}{5}$$
$$\left\{-\frac{16}{3}\right\}$$

$$23) \frac{r+4}{r+8} = \frac{6}{5}$$
$$\{-28\}$$

$$24) \frac{6}{5} = \frac{a-5}{a+9}$$
$$\{-79\}$$