

Proportions

Date _____ Period _____

State if each pair of ratios forms a proportion.

1) $\frac{4}{2}$ and $\frac{20}{6}$

2) $\frac{3}{2}$ and $\frac{18}{8}$

3) $\frac{4}{3}$ and $\frac{16}{12}$

4) $\frac{4}{3}$ and $\frac{8}{6}$

5) $\frac{12}{24}$ and $\frac{3}{4}$

6) $\frac{6}{9}$ and $\frac{2}{3}$

Solve each proportion.

7) $\frac{10}{k} = \frac{8}{4}$

8) $\frac{m}{10} = \frac{10}{3}$

9) $\frac{2}{x} = \frac{7}{9}$

10) $\frac{3}{x} = \frac{7}{10}$

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

$$12) \frac{6}{a} = \frac{3}{8}$$

$$13) \frac{8n}{8} = \frac{8}{3}$$

$$14) \frac{7}{9} = \frac{a}{5}$$

$$15) \frac{p}{8} = \frac{13}{2}$$

$$16) \frac{3}{13} = \frac{v}{3}$$

$$17) \frac{10}{12} = \frac{2}{n}$$

$$18) \frac{11}{10} = \frac{r}{11}$$

$$19) \frac{x}{9} = \frac{7}{14}$$

$$20) \frac{a}{10} = \frac{11}{14}$$

$$21) \frac{v}{12} = \frac{10}{2}$$

$$22) \frac{6}{14} = \frac{5}{n}$$

Proportions

State if each pair of ratios forms a proportion.

1) $\frac{4}{2}$ and $\frac{20}{6}$

No

2) $\frac{3}{2}$ and $\frac{18}{8}$

No

3) $\frac{4}{3}$ and $\frac{16}{12}$

Yes

4) $\frac{4}{3}$ and $\frac{8}{6}$

Yes

5) $\frac{12}{24}$ and $\frac{3}{4}$

No

6) $\frac{6}{9}$ and $\frac{2}{3}$

Yes

Solve each proportion.

7) $\frac{10}{k} = \frac{8}{4}$

{5}

8) $\frac{m}{10} = \frac{10}{3}$

{33.33}

9) $\frac{2}{x} = \frac{7}{9}$

{2.57}

10) $\frac{3}{x} = \frac{7}{10}$

{4.28}

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

{4.5}

$$12) \frac{6}{a} = \frac{3}{8}$$

{16}

$$13) \frac{8n}{8} = \frac{8}{3}$$

{2.66}

$$14) \frac{7}{9} = \frac{a}{5}$$

{3.88}

$$15) \frac{p}{8} = \frac{13}{2}$$

{52}

$$16) \frac{3}{13} = \frac{v}{3}$$

{0.69}

$$17) \frac{10}{12} = \frac{2}{n}$$

{2.4}

$$18) \frac{11}{10} = \frac{r}{11}$$

{12.1}

$$19) \frac{x}{9} = \frac{7}{14}$$

{4.5}

$$20) \frac{a}{10} = \frac{11}{14}$$

{7.85}

$$21) \frac{v}{12} = \frac{10}{2}$$

{60}

$$22) \frac{6}{14} = \frac{5}{n}$$

{11.66}