

Name : _____

Solving Proportions

L2S5

Solve each proportion.

1) $\frac{7}{q} = \frac{78}{13}$

2) $\frac{9}{43} = \frac{38}{76}$

3) $\frac{3}{2} = \frac{b}{23}$

5) $\frac{5y}{20} = \frac{16}{92}$

7) $\frac{75}{95} = \frac{12}{h}$

9) $\frac{3k}{6} = \frac{4}{9}$

10) $\frac{64}{13} = \frac{32}{p}$

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Name: _____

Answer key

L2S5

Solving Proportions

Solve each proportion.

1) $\frac{7}{q} = \frac{78}{13}$

$q = \frac{7}{6}$ or $1\frac{1}{6}$

2) $\frac{9}{43} = \frac{38}{76}$

$g = \frac{43}{2}$ or $21\frac{1}{2}$

3) $\frac{3}{2} = \frac{b}{23}$

$b = \frac{69}{2}$

$\frac{52}{3}$ or $17\frac{1}{3}$

5) $\frac{5y}{20} = \frac{16}{92}$

$y =$

$\frac{94}{9}$ or $10\frac{4}{9}$

7) $\frac{75}{95} = \frac{12}{h}$

$h = \frac{76}{5}$ or $15\frac{1}{5}$

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

9) $\frac{3k}{6} = \frac{4}{9}$

$k = \frac{8}{9}$

10) $\frac{64}{13} = \frac{32}{p}$

$p = \frac{13}{2}$ or $6\frac{1}{2}$

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