

Solving Proportions

Answer Key

Solve each proportion.

$$1) \quad \frac{90}{80} = \frac{w}{72}$$

$$\underline{w = 81}$$

$$2) \quad \frac{6}{5} = \frac{12}{2z}$$

$$\underline{z = 5}$$

$$3) \quad \frac{42}{10} = \frac{t}{5}$$

$$\underline{t = 21}$$

$$4) \quad \frac{16}{24} = \frac{8}{4p}$$

$$\underline{p = 3}$$

$$5) \quad \frac{10}{s} = \frac{40}{20}$$

$$\underline{s = 5}$$

$$6) \quad \frac{a}{6} = \frac{4}{12}$$

$$\underline{a = 2}$$

$$7) \quad \frac{50}{20} = \frac{5}{h}$$

$$\underline{h = 2}$$

$$8) \quad \frac{27}{15} = \frac{72}{d}$$

$$\underline{d = 40}$$

$$9) \quad \frac{15}{n} = \frac{5}{12}$$

$$\underline{n = 36}$$

$$10) \quad \frac{6}{8} = \frac{s}{96}$$

$$\underline{s = 72}$$

$$11) \quad \frac{1}{y} = \frac{5}{45}$$

$$\underline{y = 9}$$

$$12) \quad \frac{9}{6q} = \frac{12}{8}$$

$$\underline{q = 1}$$