

Equivalent Fractions with Variable Worksheet

Find the value of the unknown variable in each problem

$$1) \frac{1}{2} = \frac{14}{b}$$

$$b = \square$$

$$2) \frac{1}{6} = \frac{p}{36}$$

$$p = \square$$

$$3) \frac{12}{q} = \frac{24}{16}$$

$$q = \square$$

$$4) \frac{4}{16} = \frac{20}{s}$$

$$s = \square$$

$$5) \frac{9}{4} = \frac{27}{q}$$

$$q = \square$$

$$6) \frac{1}{4} = \frac{10}{m}$$

$$m = \square$$

$$7) \frac{12}{15} = \frac{144}{n}$$

$$n = \square$$

$$8) \frac{25}{d} = \frac{125}{90}$$

$$d = \square$$

$$9) \frac{g}{25} = \frac{4}{5}$$

$$g = \square$$

$$10) \frac{8}{p} = \frac{q}{60}$$

$$i) \text{ If } p = 6, q = \square$$

$$ii) \text{ If } p = 1, q = \square$$

$$11) \frac{m}{3} = \frac{2}{n}$$

$$i) \text{ If } m = 1, n = \square$$

$$ii) \text{ If } n = 3, m = \square$$