

Name : _____

Constant of Variation - Equation

L1S4

1) $p = 17q$. Find the constant of variation if,

a) p varies directly with q . _____

b) q varies directly with p . _____

2) $-15s + \frac{9}{r} = 0$. Find the constant of variation if,

a) s varies inversely with r . _____

b) r varies inversely with s . _____

3) $\frac{8m}{n} = 12$. Find the constant of variation if,

a) m varies directly with n . _____

b) n varies directly with m . _____

4) $18 = gh$. Find the constant of variation if,

a) g varies inversely with h . _____

b) h varies inversely with g . _____

5) $\frac{25}{t} = 5v$. Find the constant of variation if,

a) t varies inversely with v . _____

b) v varies inversely with t . _____

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Constant of Variation - Equation

1) $p = 17q$. Find the constant of variation if,

a) p varies directly with q .

$$k = 17$$

b) q varies directly with p .

$$k = \frac{1}{17}$$

2) $-15s + \frac{9}{r} = 0$. Find the constant of variation if,

a) s varies inversely with r .

$$k = \frac{3}{5}$$

b) r varies inversely with s .

$$k = \frac{3}{5}$$

3) $\frac{8m}{n} = 12$. Find the constant of variation if,

a) m varies directly with n .

$$k = \frac{3}{2}$$

b) n varies directly with m .

$$k = \frac{2}{3}$$

4) $18 = gh$. Find the constant of variation if,

a) g varies inversely with h .

$$k = 18$$

b) h varies inversely with g .

$$k = 18$$

5) $\frac{25}{t} = 5v$. Find the constant of variation if,

a) t varies inversely with v .

$$k = 5$$

b) v varies inversely with t .

$$k = 5$$

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