

Name : _____

Constant of Variation - Equation

L1S2

1) $10y = \frac{8}{x}$. Find the constant of variation if,

a) x varies inversely with y . _____

b) y varies inversely with x . _____

2) $\frac{u}{5} = 4v$. Find the constant of variation if,

a) u varies directly with v . _____

b) v varies directly with u . _____

3) $7gh = 2$. Find the constant of variation if,

a) h varies inversely with g . _____

b) g varies inversely with h . _____

4) $3z = t$. Find the constant of variation if,

a) z varies directly with t . _____

b) t varies directly with z . _____

5) $4mn - 8 = 0$. Find the constant of variation if,

a) m varies inversely with n . _____

b) n varies inversely with m . _____

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Constant of Variation - Equation

L1S2

1) $10y = \frac{8}{x}$. Find the constant of variation if,

a) x varies inversely with y .

$$k = \frac{4}{5}$$

b) y varies inversely with x .

$$k = \frac{4}{5}$$

2) $\frac{u}{5} = 4v$. Find the constant of variation if,

a) u varies directly with v .

$$k = 20$$

b) v varies directly with u .

$$k = \frac{1}{20}$$

3) $7gh = 2$. Find the constant of variation if,

a) h varies inversely with g .

$$k = \frac{2}{7}$$

b) g varies inversely with h .

$$k = \frac{2}{7}$$

4) $3z = t$. Find the constant of variation if,

a) z varies directly with t .

$$k = \frac{1}{3}$$

b) t varies directly with z .

$$k = 3$$

5) $4mn - 8 = 0$. Find the constant of variation if,

a) m varies inversely with n .

$$k = 2$$

b) n varies inversely with m .

$$k = 2$$

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