

Name : _____

Constant of Variation - Equation

L1S3

1) $36zy - 8 = 0$. Find the constant of variation if,

a) z varies inversely with y . _____

b) y varies inversely with z . _____

2) $d = \frac{15}{c}$. Find the constant of variation if,

a) c varies inversely with d . _____

b) d varies inversely with c . _____

3) $\frac{u}{4} = 7t$. Find the constant of variation if,

a) t varies directly with u . _____

b) u varies directly with t . _____

4) $2c = 15g$. Find the constant of variation if,

a) g varies directly with c . _____

b) c varies directly with g . _____

5) $\frac{8}{p} = 26q$. Find the constant of variation if,

a) q varies inversely with p . _____

b) p varies inversely with q . _____

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Constant of Variation - Equation

L1S3

1) $36zy - 8 = 0$. Find the constant of variation if,a) z varies inversely with y .

$$k = \frac{2}{9}$$

b) y varies inversely with z .

$$k = \frac{2}{9}$$

2) $d = \frac{15}{c}$. Find the constant of variation if,a) c varies inversely with d .

$$k = 15$$

b) d varies inversely with c .

$$k = 15$$

3) $\frac{u}{4} = 7t$. Find the constant of variation if,a) t varies directly with u .

$$k = \frac{1}{28}$$

b) u varies directly with t .

$$k = 28$$

4) $2c = 15g$. Find the constant of variation if,a) g varies directly with c .

$$k = \frac{2}{15}$$

b) c varies directly with g .

$$k = \frac{15}{2}$$

5) $\frac{8}{p} = 26q$. Find the constant of variation if,a) q varies inversely with p .

$$k = \frac{4}{13}$$

b) p varies inversely with q .

$$k = \frac{4}{13}$$

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