

Name : _____

Constant of Variation

L2S5

- 1) The variable p varies directly with q . The value of p is 12 when $q = 6$. Find the constant of variation (k).

- 2) The variable z varies jointly with y and x . The value of cube root of z is 3 when $y = -12$ and $x = 15$. Find the constant of variation (k).

- 3) The variable s varies directly with t and u . The value of s is 32 when $t = 2$ and $u = 3$.

- 4) The variable b varies directly with a and c . The value of b is $\frac{1}{7}$ when $a = \frac{2}{7}$, $c = \frac{4}{15}$ and $d = \frac{3}{8}$. Find the constant of variation (k).

- 5) The variable g varies jointly with f and h . The value of square root of g is 6 when $f = 3.6$ and $h = 0.5$. Find the constant of variation (k).

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Constant of Variation

- 1) The variable p varies directly with q . The value of p is 12 when $q = 6$. Find the constant of variation (k).

$k = 2$

- 2) The variable z varies jointly with y and x . The value of cube root of z is 3 when $y = -12$ and $x = 15$. Find the constant of variation (k).

$k = 2$

- 3) The variable s varies directly with t and u . The value of s is 32 when $t = 2$ and $u = 3$.

$k = 4$

- 4) The variable b varies jointly with a and c . The value of b is $\frac{1}{7}$ when $a = \frac{2}{7}$, $c = \frac{4}{15}$ and $d = \frac{3}{8}$. Find the constant of variation (k).

$k = 5$

- 5) The variable g varies jointly with f and h . The value of square root of g is 6 when $f = 3.6$ and $h = 0.5$. Find the constant of variation (k).

$k = 20$

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