

Name : _____

Constant of Variation

L1S3

- 1) The variable b varies directly with c . The value of b is 78 when $c = 6$. Find the constant of variation (k).

- 2) The variable m varies directly with n . The value of m is $\frac{1}{3}$ when $n = 9$. Find the constant of variation (k).

- 3) The variable p varies directly with q . The value of p is 11 when $q = 11$. Find the constant of variation (k).

- 4) The variable g varies directly with f . The value of g is 9.5 when $f = 9.5$. Find the constant of variation (k).

- 5) The variable y varies directly with z . The value of y is 51 when $z = 3$. Find the constant of variation (k).

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Name : _____

Answer key

Constant of Variation

L1S3

- 1) The variable b varies directly with c . The value of b is 78 when $c = 6$. Find the constant of variation (k).

$k = 13$

- 2) The variable m varies directly with n . The value of m is $\frac{1}{3}$ when $n = 9$. Find the constant of variation (k).

$k = \frac{1}{27}$

- 3) The variable p varies directly with q . The value of p is 44 when $q = 11$. Find the constant of variation (k).

$k = 4$

- 4) The variable g varies directly with h . The value of g is 58.9 when $h = 1$. Find the constant of variation (k).

$k = 58.9$

- 5) The variable y varies directly with z . The value of y is 51 when $z = 3$. Find the constant of variation (k).

$k = 17$

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