

Constant of Proportionality - Table

L1S4

Determine the constant of proportionality(k) for each table and write the proportional relationship between x and y .

1)

x	14	11	9	4
y	70	55	45	20

2)

x	5	15	25	40
y	10	30	50	80

3)

x	5
y	35

32	48	64
28	42	56

5)

x	5
y	15

9	7	11
54	42	66

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7)

x	8	12	20	28
y	6	9	15	21

8)

x	36	54	72	81
y	4	6	8	9

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Determine the constant of proportionality(k) for each table and write the proportional relationship between x and y .

1)

x	14	11	9	4
y	70	55	45	20

2)

x	5	15	25	40
y	10	30	50	80

3)

x	5
y	35

$k = 5$

$y = 2x$

32	48	64
28	42	56

5)

x	5
y	15

$k = 7$

$y = \frac{7}{8}x$

9	7	11
54	42	66

7)

x	8	12	20	28
y	6	9	15	21

$k = \frac{3}{4} ; y = \frac{3}{4}x$

8)

x	36	54	72	81
y	4	6	8	9

$k = \frac{1}{9} ; y = \frac{1}{9}x$

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