

Constant of Proportionality - Table

L1S3

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

1)

x	6	18	36	16
y	3	9	18	8

2)

x	14	21	28	42
y	6	9	12	18

3)

x	7
y	63

7	6	5
35	30	25

5)

x	16
y	10

30	20	45
24	16	36

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7)

x	3	5	7	9
y	18	30	42	54

8)

x	4	9	13	17
y	8	18	26	34

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

1)

x	6	18	36	16
y	3	9	18	8

2)

x	14	21	28	42
y	6	9	12	18

$k = \frac{1}{2} ; y = \frac{1}{2}x$

$k = \frac{3}{7} ; y = \frac{3}{7}x$

3)

x	7
y	63

7	6	5
35	30	25

$k = 9$

$k = 5 ; y = 5x$

5)

x	16
y	10

30	20	45
24	16	36

$k = \frac{5}{8}$

$k = \frac{4}{5} ; y = \frac{4}{5}x$

7)

x	3	5	7	9
y	18	30	42	54

8)

x	4	9	13	17
y	8	18	26	34

$k = 6 ; y = 6x$

$k = 2 ; y = 2x$

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