

Name : _____

Constant of Proportionality - Table

L1S1

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

1)

x	10	20	35	45
y	4	8	14	18

2)

x	9	4	2	11
y	63	28	14	77

3)

x	2
y	8

21	28	35
18	24	30

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5)

x	72
y	32

7	9	12
56	72	96

7)

x	4	7	9	14
y	12	21	27	42

8)

x	24	28	12	16
y	6	7	3	4

Constant of Proportionality - Table

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

1)

x	10	20	35	45
y	4	8	14	18

2)

x	9	4	2	11
y	63	28	14	77

$$k = \frac{2}{5} ; y = \frac{2}{5}x$$

3)

x	2
y	8

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21	28	35
18	24	30

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

5)

x	72
y	32

$$k = \frac{4}{9}$$

7	9	12
56	72	96

$$k = \frac{6}{7} ; y = \frac{6}{7}x$$

$$k = \frac{4}{9}$$

$$k = 8 ; y = 8x$$

7)

x	4	7	9	14
y	12	21	27	42

8)

x	24	28	12	16
y	6	7	3	4

$$k = 3 ; y = 3x$$

$$k = \frac{1}{4} ; y = \frac{1}{4}x$$