

Constant of Proportionality

Answer Key

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

1)

x	36	54	72	81
y	4	6	8	9

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

2)

x	6	9	12	15
y	24	36	48	60

$$k = 4, y = 4x$$

3)

x	14	56	84	91
y	4	16	24	26

$$k = \frac{2}{7}, y = \frac{2}{7}x$$

4)

x	5	13	17	19
y	15	39	51	57

$$k = 3, y = 3x$$

5)

x	5	8	12	14
y	30	48	72	84

$$k = 6, y = 6x$$

6)

x	32	56	72	96
y	4	7	9	12

$$k = \frac{1}{8}, y = \frac{1}{8}x$$

7)

x	4	9	11	14
y	20	45	55	70

$$k = 5, y = 5x$$

8)

x	8	12	20	28
y	6	9	15	21

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