

Direct and Inverse Variation - Table

Determine whether each table represents a direct variation or an inverse variation or neither. Find the constant of variation (k).

1)

x	-180	-45	36	99
y	-40	-10	8	22

2)

x	12	16	-48	24
y	8	6	-2	4

3)

x	1
y	78

50	55	-60
95	100	-105

5)

x	-76
y	-2

-14	-7	-43
154	-77	-473

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7)

x	5	11	7	2
y	70	154	98	28

8)

x	10	20	-8	40
y	4	2	-5	1

Direct and Inverse Variation - Table

Determine whether each table represents a direct variation or an inverse variation or neither. Find the constant of variation (k).

1)

x	-180	-45	36	99
y	-40	-10	8	22

2)

x	12	16	-48	24
y	8	6	-2	4

Direct variation, $k = 2$

3)

x	1
y	78

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variation, $k = 96$

50	55	-60
95	100	-105

Inverse va**either**

5)

x	-76
y	-2

-14	-7	-43
154	-77	-473

Inverse va**variation, $k = 11$**

7)

x	5	11	7	2
y	70	154	98	28

8)

x	10	20	-8	40
y	4	2	-5	1

Direct variation, $k = 14$ **Inverse variation, $k = 40$**