Name: _____ Date: _____

Constant of Proportionality Worksheet

prtutorial.in

Find the constant of proportionality (k) and complete the missing values.

1. Find the constant of proportionality (k).

The table shows a proportional relationship between x and y.

x	1	2	3	4	5
y	4	8	12	16	20

k = _____

2. Find the constant of proportionality (k).

The table shows a proportional relationship between x and y.

x	2	4	6	8	10
y	6	12	18	24	30

k = _____

3. Find the missing values.

The constant of proportionality is k = 7.

x	1	2	3	4	5
y	7	_____	21	_____	35

4. Find the missing values.

The constant of proportionality is k = 5.

x	3	6	9	12	15
y	_____	30	45	_____	75

5. Find the constant of proportionality (k).

The table shows a proportional relationship between x and y.

x	5	10	15	20	25
y	8	16	24	32	40

k = _____

6. Find the missing values.

The constant of proportionality is k = 9.

x	1	2	3	4	5
y	9	18	_____	36	_____

7. Find the constant of proportionality (k).

The table shows a proportional relationship between x and y.

x	3	6	9	12	15
y	12	24	36	48	60

k = _____

8. Find the missing values.

The constant of proportionality is k = 4.

x	7	14	21	28	35
y	_____	56	84	112	_____

9. Find the value of y.

a) y = 6x, x = 5 → y = _____

b) y = 8x, x = 7 → y = _____

c) y = 3x, x = 12 → y = _____

d) y = 9x, x = 4 → y = _____

e) y = 5x, x = 15 → y = _____

10. Find the value of x.

a) y = 7x, y = 35 → x = _____

b) y = 4x, y = 48 → x = _____

c) y = 9x, y = 27 → x = _____

d) y = 6x, y = 42 → x = _____

e) y = 8x, y = 64 → x = _____