



Determine the constant of proportionality for each table. Express your answer as $y = kx$

Answers

Ex)

Tickets Sold (x)	4	3	2	9	10
Money Earned (y)	44	33	22	99	110

Every ticket sold 11 dollars are earned.

Ex. $y = 11x$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

1)

Lawns Mowed (x)	6	8	4	9	7
Dollars Earned (y)	216	288	144	324	252

For every lawn mowed _____ dollars were earned.

2)

Boxes of Candy (x)	4	5	2	3	6
Pieces of Candy (y)	64	80	32	48	96

For every box of candy you get _____ pieces.

3)

Enemies Destroyed (x)	4	5	2	8	9
Points Earned (y)	80	100	40	160	180

Every enemy destroyed earns _____ points.

4)

Glasses of Lemonade (x)	4	6	5	10	8
Lemons Used (y)	20	30	25	50	40

For every glass of lemonade there were _____ lemons used.

5)

Phone Sold (x)	5	6	10	3	4
Money Earned (y)	205	246	410	123	164

Every phone sold earns _____ dollars.

6)

Cans of Paint (x)	4	9	7	8	10
Bird Houses Painted (y)	16	36	28	32	40

For every can of paint you could paint _____ bird houses.

7)

Time in minute (x)	6	10	5	3	2
Gallons of Water Used (y)	282	470	235	141	94

Every minute _____ gallons of water are used.

8)

Time in minute (x)	5	3	9	8	6
Distance traveled in meters (y)	75	45	135	120	90

Every minute _____ meters are travelled.

Determine the constant of proportionality for each table. Express your answer as $y = kx$ **Answers**

Ex)

Tickets Sold (x)	4	3	2	9	10
Money Earned (y)	44	33	22	99	110

Every ticket sold 11 dollars are earned.

Ex. $y = 11x$

1)

Lawns Mowed (x)	6	8	4	9	7
Dollars Earned (y)	216	288	144	324	252

For every lawn mowed 36 dollars were earned.

1. $y = 36x$

2)

Boxes of Candy (x)	4	5	2	3	6
Pieces of Candy (y)	64	80	32	48	96

For every box of candy you get 16 pieces.

2. $y = 16x$

3. $y = 20x$

3)

Enemies Destroyed (x)	4	5	2	8	9
Points Earned (y)	80	100	40	160	180

Every enemy destroyed earns 20 points.

4. $y = 5x$

5. $y = 41x$

4)

Glasses of Lemonade (x)	4	6	5	10	8
Lemons Used (y)	20	30	25	50	40

For every glass of lemonade there were 5 lemons used.

6. $y = 4x$

7. $y = 47x$

5)

Phone Sold (x)	5	6	10	3	4
Money Earned (y)	205	246	410	123	164

Every phone sold earns 41 dollars.

8. $y = 15x$

6)

Cans of Paint (x)	4	9	7	8	10
Bird Houses Painted (y)	16	36	28	32	40

For every can of paint you could paint 4 bird houses.

7)

Time in minute (x)	6	10	5	3	2
Gallons of Water Used (y)	282	470	235	141	94

Every minute 47 gallons of water are used.

8)

Time in minute (x)	5	3	9	8	6
Distance traveled in meters (y)	75	45	135	120	90

Every minute 15 meters are travelled.