

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

20

12

 Ex)
 Glasses of Lemonade (x)
 6
 10
 9

 Lemons Used (y)
 24
 40
 36

For every glass of lemonade there were 4 lemons used.

 Boxes of Candy (x)
 9
 6
 4
 10
 7

 Pieces of Candy (y)
 171
 114
 76
 190
 133

For every box of candy you get pieces.

 Pieces of Chicken (x)
 6
 8
 2
 10
 9

 Price in dollars (y)
 12
 16
 4
 20
 18

For each piece of chicken it costs \_\_\_\_\_ dollars.

3) Votes for Emily (x) 8 9 6 3 4 Votes for Mike (y) 136 153 102 51 68

For Every vote for Emily there were votes for Mike.

 4)
 Time in minute (x)
 5
 4
 2
 7
 3

 Distance traveled in meters (y)
 145
 116
 58
 203
 87

Every minute \_\_\_\_\_ meters are travelled.

5) Pounds of Beef Jerky (x) 3 10 4 5 9
Price in dollars (y) 30 100 40 50 90

For every pound of beef jerky it cost \_\_\_\_\_ dollars.

6) Tickets Sold (x) 2 10 9 5 6 Money Earned (y) 28 140 126 70 84

Every ticket sold \_\_\_\_\_ dollars are earned.

7) **Phone Sold (x)** 10 6 3 5 9 **Money Earned (y)** 160 96 48 80 144

Every phone sold earns \_\_\_\_\_ dollars.

8) Lawns Mowed (x) 10 7 5 9 4 Dollars Earned (y) 360 252 180 324 144

For every lawn mowed \_\_\_\_\_ dollars were earned.

## **Answers**

Ex. y = 4x

1.

2. \_\_\_\_\_

3. \_\_\_\_\_

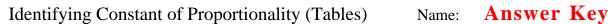
4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8.



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

Ex)

Glasses of Lemonade (x)	6	10	9	5	3
Lemons Used (y)	24	40	36	20	12

For every glass of lemonade there were 4 lemons used.

1) **Boxes of Candy (x)** Pieces of Candy (y) 

> For every box of candy you get 19 pieces.

2) Pieces of Chicken (x) Price in dollars (y) 

For each piece of chicken it costs dollars.

3) **Votes for Emily (x) Votes for Mike (y)** 

For Every vote for Emily there were 17 votes for Mike.

4) Time in minute (x) Distance traveled in meters (y)

Every minute 29 meters are travelled.

5) Pounds of Beef Jerky (x) Price in dollars (y)

> For every pound of beef jerky it cost dollars.

) Tickets Sold (x) Money Earned (y) 

> Every ticket sold dollars are earned.

) Phone Sold (x) Money Earned (y) 

Every phone sold earns 16 dollars.

8) Lawns Mowed (x) Dollars Earned (y) 

> For every lawn mowed dollars were earned.

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## **Answers**