



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

Answers

Ex)

| | | | | | |
|-------------------------|----|----|-----|----|----|
| Concrete Blocks (x) | 3 | 8 | 10 | 6 | 7 |
| weight in kilograms (y) | 30 | 80 | 100 | 60 | 70 |

Every concrete block weighs 10 kilograms.

Ex. $y = 10x$

1)

| | | | | | |
|-------------------------|----|----|----|----|---|
| Cans of Paint (x) | 5 | 10 | 6 | 9 | 2 |
| Bird Houses Painted (y) | 15 | 30 | 18 | 27 | 6 |

For every can of paint you could paint bird houses.

1. _____

2. _____

2)

| | | | | | |
|----------------------|-----|-----|-----|-----|-----|
| Votes for Faye (x) | 9 | 7 | 6 | 8 | 3 |
| Votes for Victor (y) | 342 | 266 | 228 | 304 | 114 |

For Every vote for Faye there were votes for Victor.

3. _____

4. _____

5. _____

3)

| | | | | | |
|--------------------|-------|-----|-------|-----|-------|
| Chocolate Bars (x) | 6 | 4 | 10 | 3 | 8 |
| Calories (y) | 1,212 | 808 | 2,020 | 606 | 1,616 |

Every chocolate bar has calories.

6. _____

7. _____

4)

| | | | | | |
|-----------------------|----|----|----|----|---|
| Pieces of Chicken (x) | 7 | 8 | 6 | 10 | 2 |
| Price in dollars (y) | 14 | 16 | 12 | 20 | 4 |

For each piece of chicken it costs dollars.

8. _____

5)

| | | | | | |
|---------------------|----|----|-----|-----|-----|
| Boxes of Candy (x) | 2 | 5 | 9 | 7 | 10 |
| Pieces of Candy (y) | 32 | 80 | 144 | 112 | 160 |

For every box of candy you get pieces.

6)

| | | | | | |
|--------------------|-----|-----|-----|-----|-----|
| Lawns Mowed (x) | 7 | 6 | 10 | 3 | 4 |
| Dollars Earned (y) | 301 | 258 | 430 | 129 | 172 |

For every lawn mowed dollars were earned.

7)

| | | | | | |
|---------------------------------|-----|----|----|----|-----|
| Time in minute (x) | 9 | 2 | 7 | 3 | 10 |
| Distance traveled in meters (y) | 117 | 26 | 91 | 39 | 130 |

Every minute meters are travelled.

8)

| | | | | | |
|--------------------------|----|----|----|----|-----|
| Pounds of Beef Jerky (x) | 7 | 8 | 5 | 6 | 10 |
| Price in dollars (y) | 84 | 96 | 60 | 72 | 120 |

For every pound of beef jerky it cost dollars.



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

Answers

Ex)

| | | | | | |
|---------------------------|-----|-----|-----|----|-----|
| Time in minute (x) | 8 | 9 | 6 | 2 | 4 |
| Gallons of Water Used (y) | 264 | 297 | 198 | 66 | 132 |

Every minute 33 gallons of water are used.

Ex. $y = 33x$

1)

| | | | | | |
|--------------------------|-----|----|-----|-----|----|
| Pounds of Beef Jerky (x) | 10 | 5 | 7 | 9 | 6 |
| Price in dollars (y) | 150 | 75 | 105 | 135 | 90 |

For every pound of beef jerky it cost dollars.

1. _____

2)

| | | | | | |
|----------------------|-----|-----|-----|-----|-----|
| Votes for Faye (x) | 8 | 6 | 3 | 10 | 9 |
| Votes for Victor (y) | 384 | 288 | 144 | 480 | 432 |

For Every vote for Faye there were votes for Victor.

2. _____

3)

| | | | | | |
|-------------------------|----|----|---|----|---|
| Cans of Paint (x) | 10 | 4 | 3 | 7 | 2 |
| Bird Houses Painted (y) | 30 | 12 | 9 | 21 | 6 |

For every can of paint you could paint bird houses.

3. _____

4)

| | | | | | |
|-------------------------|----|----|----|----|----|
| Concrete Blocks (x) | 10 | 6 | 3 | 5 | 2 |
| weight in kilograms (y) | 80 | 48 | 24 | 40 | 16 |

Every concrete block weighs kilograms.

4. _____

5)

| | | | | | |
|--------------------|----|----|-----|-----|-----|
| Lawns Mowed (x) | 2 | 3 | 7 | 10 | 8 |
| Dollars Earned (y) | 64 | 96 | 224 | 320 | 256 |

For every lawn mowed dollars were earned.

5. _____

6)

| | | | | | |
|--------------------|-------|-------|-------|-------|-----|
| Chocolate Bars (x) | 10 | 7 | 8 | 5 | 3 |
| Calories (y) | 2,140 | 1,498 | 1,712 | 1,070 | 642 |

Every chocolate bar has calories.

6. _____

7)

| | | | | | |
|-----------------------|-----|-----|----|-----|-----|
| Enemies Destroyed (x) | 6 | 7 | 3 | 10 | 5 |
| Points Earned (y) | 186 | 217 | 93 | 310 | 155 |

Every enemy destroyed earns points.

7. _____

8)

| | | | | | |
|-------------------------|----|----|----|----|----|
| Glasses of Lemonade (x) | 7 | 10 | 4 | 5 | 6 |
| Lemons Used (y) | 28 | 40 | 16 | 20 | 24 |

For every glass of lemonade there were lemons used.

8. _____