



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

Answers

Ex)

| | | | | | |
|-------------------------|----|-----|-----|-----|-----|
| Phone Sold (x) | 2 | 5 | 3 | 6 | 4 |
| Money Earned (y) | 94 | 235 | 141 | 282 | 188 |

Every phone sold earns 47 dollars.

Ex. $y = 47x$

1. _____

1)

| | | | | | |
|---------------------------------|----|----|----|----|----|
| Pounds of Beef Jerky (x) | 2 | 4 | 5 | 8 | 9 |
| Price in dollars (y) | 20 | 40 | 50 | 80 | 90 |

2. _____

3. _____

2)

| | | | | | |
|-------------------------|----|-----|----|----|----|
| Tickets Sold (x) | 4 | 9 | 8 | 5 | 7 |
| Money Earned (y) | 48 | 108 | 96 | 60 | 84 |

4. _____

5. _____

3)

| | | | | | |
|--------------------------------|---|----|----|----|----|
| Cans of Paint (x) | 2 | 5 | 6 | 9 | 7 |
| Bird Houses Painted (y) | 8 | 20 | 24 | 36 | 28 |

6. _____

7. _____

8. _____

4)

| | | | | | |
|--|----|----|-----|-----|-----|
| Time in minute (x) | 4 | 3 | 10 | 7 | 9 |
| Distance traveled in meters (y) | 76 | 57 | 190 | 133 | 171 |

Every minute _____ meters are travelled.

5)

| | | | | | |
|----------------------------------|-----|----|-----|-----|-----|
| Time in minute (x) | 8 | 3 | 6 | 4 | 10 |
| Gallons of Water Used (y) | 240 | 90 | 180 | 120 | 300 |

Every minute _____ gallons of water are used.

6)

| | | | | | |
|----------------------------|----|-----|----|----|-----|
| Boxes of Candy (x) | 5 | 9 | 3 | 2 | 6 |
| Pieces of Candy (y) | 90 | 162 | 54 | 36 | 108 |

For every box of candy you get _____ pieces.

7)

| | | | | | |
|------------------------------|---|----|----|----|---|
| Pieces of Chicken (x) | 3 | 10 | 7 | 9 | 4 |
| Price in dollars (y) | 6 | 20 | 14 | 18 | 8 |

For each piece of chicken it costs _____ dollars.

8)

| | | | | | |
|---------------------------|-----|-----|----|-----|-----|
| Lawns Mowed (x) | 7 | 6 | 2 | 9 | 3 |
| Dollars Earned (y) | 294 | 252 | 84 | 378 | 126 |

For every lawn mowed _____ dollars were earned.



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

Ex)

| | | | | | |
|-------------------------|----|-----|-----|-----|-----|
| Phone Sold (x) | 2 | 5 | 3 | 6 | 4 |
| Money Earned (y) | 94 | 235 | 141 | 282 | 188 |

Every phone sold earns 47 dollars.

1)

| | | | | | |
|---------------------------------|----|----|----|----|----|
| Pounds of Beef Jerky (x) | 2 | 4 | 5 | 8 | 9 |
| Price in dollars (y) | 20 | 40 | 50 | 80 | 90 |

For every pound of beef jerky it cost 10 dollars.

2)

| | | | | | |
|-------------------------|----|-----|----|----|----|
| Tickets Sold (x) | 4 | 9 | 8 | 5 | 7 |
| Money Earned (y) | 48 | 108 | 96 | 60 | 84 |

Every ticket sold 12 dollars are earned.

3)

| | | | | | |
|--------------------------------|---|----|----|----|----|
| Cans of Paint (x) | 2 | 5 | 6 | 9 | 7 |
| Bird Houses Painted (y) | 8 | 20 | 24 | 36 | 28 |

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

4)

| | | | | | |
|--|----|----|-----|-----|-----|
| Time in minute (x) | 4 | 3 | 10 | 7 | 9 |
| Distance traveled in meters (y) | 76 | 57 | 190 | 133 | 171 |

Every minute 19 meters are travelled.

5)

| | | | | | |
|----------------------------------|-----|----|-----|-----|-----|
| Time in minute (x) | 8 | 3 | 6 | 4 | 10 |
| Gallons of Water Used (y) | 240 | 90 | 180 | 120 | 300 |

Every minute 30 gallons of water are used.

6)

| | | | | | |
|----------------------------|----|-----|----|----|-----|
| Boxes of Candy (x) | 5 | 9 | 3 | 2 | 6 |
| Pieces of Candy (y) | 90 | 162 | 54 | 36 | 108 |

For every box of candy you get 18 pieces.

7)

| | | | | | |
|------------------------------|---|----|----|----|---|
| Pieces of Chicken (x) | 3 | 10 | 7 | 9 | 4 |
| Price in dollars (y) | 6 | 20 | 14 | 18 | 8 |

For each piece of chicken it costs 2 dollars.

8)

| | | | | | |
|---------------------------|-----|-----|----|-----|-----|
| Lawns Mowed (x) | 7 | 6 | 2 | 9 | 3 |
| Dollars Earned (y) | 294 | 252 | 84 | 378 | 126 |

For every lawn mowed 42 dollars were earned.

Answers

Ex. $y = 47x$

1. $y = 10x$

2. $y = 12x$

3. $y = 4x$

4. $y = 19x$

5. $y = 30x$

6. $y = 18x$

7. $y = 2x$

8. $y = 42x$



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

Answers

Ex)

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

Ex. $y = 4x$

For every glass of lemonade there were 4 lemons used.

1. _____

1)

| | | | | | |
|----------------------------|-----|-----|----|-----|-----|
| Boxes of Candy (x) | 9 | 6 | 4 | 10 | 7 |
| Pieces of Candy (y) | 171 | 114 | 76 | 190 | 133 |

2. _____

For every box of candy you get _____ pieces.

3. _____

2)

| | | | | | |
|------------------------------|----|----|---|----|----|
| Pieces of Chicken (x) | 6 | 8 | 2 | 10 | 9 |
| Price in dollars (y) | 12 | 16 | 4 | 20 | 18 |

4. _____

For each piece of chicken it costs _____ dollars.

5. _____

3)

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

6. _____

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

7. _____

4)

| | | | | | |
|--|-----|-----|----|-----|----|
| Time in minute (x) | 5 | 4 | 2 | 7 | 3 |
| Distance traveled in meters (y) | 145 | 116 | 58 | 203 | 87 |

8. _____

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.

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) | 9 | 6 | 4 | 10 | 7 |
| Pieces of Candy (y) | 171 | 114 | 76 | 190 | 133 |

For every box of candy you get 19 pieces.

2)

| | | | | | |
|------------------------------|----|----|---|----|----|
| 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 2 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 17 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 29 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 10 dollars.

6)

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

Every ticket sold 14 dollars are earned.

7)

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

Every phone sold earns 16 dollars.

8)

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

For every lawn mowed 36 dollars were earned.**Answers**

Ex. $y = 4x$

1. $y = 19x$

2. $y = 2x$

3. $y = 17x$

4. $y = 29x$

5. $y = 10x$

6. $y = 14x$

7. $y = 16x$

8. $y = 36x$



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

Answers

Ex)

| | | | | | |
|--------------------------------|----|----|----|----|----|
| Glasses of Lemonade (x) | 9 | 5 | 3 | 4 | 2 |
| Lemons Used (y) | 45 | 25 | 15 | 20 | 10 |

Ex. $y = 5x$

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

For every glass of lemonade there were 5 lemons used.

1)

| | | | | | |
|--------------------------------|----|----|----|----|----|
| Concrete Blocks (x) | 8 | 5 | 7 | 2 | 3 |
| weight in kilograms (y) | 72 | 45 | 63 | 18 | 27 |

Every concrete block weighs _____ kilograms.

2)

| | | | | | |
|------------------------------|-----|-----|-----|----|-----|
| Enemies Destroyed (x) | 6 | 4 | 10 | 2 | 3 |
| Points Earned (y) | 264 | 176 | 440 | 88 | 132 |

Every enemy destroyed earns _____ points.

3)

| | | | | | |
|------------------------------|---|---|---|---|----|
| Pieces of Chicken (x) | 7 | 5 | 8 | 6 | 10 |
| Price in dollars (y) | 7 | 5 | 8 | 6 | 10 |

For each piece of chicken it costs _____ dollars.

4)

| | | | | | |
|-------------------------|-----|----|----|-----|-----|
| Phone Sold (x) | 6 | 4 | 5 | 9 | 10 |
| Money Earned (y) | 108 | 72 | 90 | 162 | 180 |

Every phone sold earns _____ dollars.

5)

| | | | | | |
|---------------------------------|-----|-----|----|----|-----|
| Pounds of Beef Jerky (x) | 9 | 8 | 5 | 2 | 10 |
| Price in dollars (y) | 126 | 112 | 70 | 28 | 140 |

For every pound of beef jerky it cost _____ dollars.

6)

| | | | | | |
|----------------------------|-----|-----|----|-----|----|
| Votes for Amy (x) | 8 | 10 | 3 | 9 | 2 |
| Votes for Henry (y) | 184 | 230 | 69 | 207 | 46 |

For Every vote for Amy there were _____ votes for Henry.

7)

| | | | | | |
|-------------------------|----|----|----|----|-----|
| Tickets Sold (x) | 8 | 5 | 7 | 2 | 9 |
| Money Earned (y) | 96 | 60 | 84 | 24 | 108 |

Every ticket sold _____ dollars are earned.

8)

| | | | | | |
|----------------------------|-----|----|-----|----|-----|
| Boxes of Candy (x) | 7 | 2 | 8 | 4 | 5 |
| Pieces of Candy (y) | 140 | 40 | 160 | 80 | 100 |

For every box of candy you get _____ pieces.

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

Ex)

| | | | | | |
|-------------------------|----|----|----|----|----|
| Glasses of Lemonade (x) | 9 | 5 | 3 | 4 | 2 |
| Lemons Used (y) | 45 | 25 | 15 | 20 | 10 |

For every glass of lemonade there were 5 lemons used.**Answers**

Ex. $y = 5x$

1)

| | | | | | |
|-------------------------|----|----|----|----|----|
| Concrete Blocks (x) | 8 | 5 | 7 | 2 | 3 |
| weight in kilograms (y) | 72 | 45 | 63 | 18 | 27 |

Every concrete block weighs 9 kilograms.

1. $y = 9x$

2)

| | | | | | |
|-----------------------|-----|-----|-----|----|-----|
| Enemies Destroyed (x) | 6 | 4 | 10 | 2 | 3 |
| Points Earned (y) | 264 | 176 | 440 | 88 | 132 |

Every enemy destroyed earns 44 points.

2. $y = 44x$

3)

| | | | | | |
|-----------------------|---|---|---|---|----|
| Pieces of Chicken (x) | 7 | 5 | 8 | 6 | 10 |
| Price in dollars (y) | 7 | 5 | 8 | 6 | 10 |

For each piece of chicken it costs 1 dollars.

3. $y = 1x$

4)

| | | | | | |
|------------------|-----|----|----|-----|-----|
| Phone Sold (x) | 6 | 4 | 5 | 9 | 10 |
| Money Earned (y) | 108 | 72 | 90 | 162 | 180 |

Every phone sold earns 18 dollars.

4. $y = 18x$

5)

| | | | | | |
|--------------------------|-----|-----|----|----|-----|
| Pounds of Beef Jerky (x) | 9 | 8 | 5 | 2 | 10 |
| Price in dollars (y) | 126 | 112 | 70 | 28 | 140 |

For every pound of beef jerky it cost 14 dollars.

5. $y = 14x$

6)

| | | | | | |
|---------------------|-----|-----|----|-----|----|
| Votes for Amy (x) | 8 | 10 | 3 | 9 | 2 |
| Votes for Henry (y) | 184 | 230 | 69 | 207 | 46 |

For Every vote for Amy there were 23 votes for Henry.

6. $y = 23x$

7)

| | | | | | |
|------------------|----|----|----|----|-----|
| Tickets Sold (x) | 8 | 5 | 7 | 2 | 9 |
| Money Earned (y) | 96 | 60 | 84 | 24 | 108 |

Every ticket sold 12 dollars are earned.

7. $y = 12x$

8)

| | | | | | |
|---------------------|-----|----|-----|----|-----|
| Boxes of Candy (x) | 7 | 2 | 8 | 4 | 5 |
| Pieces of Candy (y) | 140 | 40 | 160 | 80 | 100 |

For every box of candy you get 20 pieces.

8. $y = 20x$



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

Answers

Ex)

| | | | | | |
|--------------------------------|----|----|----|----|----|
| Concrete Blocks (x) | 6 | 5 | 7 | 9 | 3 |
| weight in kilograms (y) | 54 | 45 | 63 | 81 | 27 |

Every concrete block weighs 9 kilograms.

Ex. $y = 9x$

1)

| | | | | | |
|----------------------------------|-----|-----|-----|-----|----|
| Time in minute (x) | 7 | 8 | 6 | 4 | 2 |
| Gallons of Water Used (y) | 315 | 360 | 270 | 180 | 90 |

Every minute _____ gallons of water are used.

1. _____

2. _____

3. _____

2)

| | | | | | |
|---------------------------|-------|-------|-----|-------|-------|
| Chocolate Bars (x) | 6 | 7 | 3 | 4 | 10 |
| Calories (y) | 1,530 | 1,785 | 765 | 1,020 | 2,550 |

Every chocolate bar has _____ calories.

4. _____

5. _____

6. _____

3)

| | | | | | |
|---------------------------------|----|----|-----|----|----|
| Pounds of Beef Jerky (x) | 6 | 7 | 9 | 2 | 5 |
| Price in dollars (y) | 84 | 98 | 126 | 28 | 70 |

For every pound of beef jerky it cost _____ dollars.

7. _____

8. _____

4)

| | | | | | |
|------------------------------|---|----|----|----|----|
| Pieces of Chicken (x) | 3 | 6 | 9 | 5 | 10 |
| Price in dollars (y) | 6 | 12 | 18 | 10 | 20 |

For each piece of chicken it costs _____ dollars.

5)

| | | | | | |
|----------------------------|-----|----|----|----|----|
| Boxes of Candy (x) | 10 | 3 | 4 | 5 | 2 |
| Pieces of Candy (y) | 160 | 48 | 64 | 80 | 32 |

For every box of candy you get _____ pieces.

6)

| | | | | | |
|-----------------------------|-----|-----|-----|----|-----|
| Votes for Robin (x) | 8 | 10 | 7 | 2 | 9 |
| Votes for Edward (y) | 312 | 390 | 273 | 78 | 351 |

For Every vote for Robin there were _____ votes for Edward.

7)

| | | | | | |
|---------------------------|-----|-----|-----|-----|-----|
| Lawns Mowed (x) | 4 | 10 | 9 | 6 | 5 |
| Dollars Earned (y) | 144 | 360 | 324 | 216 | 180 |

For every lawn mowed _____ dollars were earned.

8)

| | | | | | |
|--------------------------------|----|----|----|---|----|
| Cans of Paint (x) | 7 | 8 | 9 | 2 | 10 |
| Bird Houses Painted (y) | 28 | 32 | 36 | 8 | 40 |

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



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

Ex)

| | | | | | |
|--------------------------------|----|----|----|----|----|
| Concrete Blocks (x) | 6 | 5 | 7 | 9 | 3 |
| weight in kilograms (y) | 54 | 45 | 63 | 81 | 27 |

Every concrete block weighs 9 kilograms.

1)

| | | | | | |
|----------------------------------|-----|-----|-----|-----|----|
| Time in minute (x) | 7 | 8 | 6 | 4 | 2 |
| Gallons of Water Used (y) | 315 | 360 | 270 | 180 | 90 |

Every minute 45 gallons of water are used.

2)

| | | | | | |
|---------------------------|-------|-------|-----|-------|-------|
| Chocolate Bars (x) | 6 | 7 | 3 | 4 | 10 |
| Calories (y) | 1,530 | 1,785 | 765 | 1,020 | 2,550 |

Every chocolate bar has 255 calories.

3)

| | | | | | |
|---------------------------------|----|----|-----|----|----|
| Pounds of Beef Jerky (x) | 6 | 7 | 9 | 2 | 5 |
| Price in dollars (y) | 84 | 98 | 126 | 28 | 70 |

For every pound of beef jerky it cost 14 dollars.

4)

| | | | | | |
|------------------------------|---|----|----|----|----|
| Pieces of Chicken (x) | 3 | 6 | 9 | 5 | 10 |
| Price in dollars (y) | 6 | 12 | 18 | 10 | 20 |

For each piece of chicken it costs 2 dollars.

5)

| | | | | | |
|----------------------------|-----|----|----|----|----|
| Boxes of Candy (x) | 10 | 3 | 4 | 5 | 2 |
| Pieces of Candy (y) | 160 | 48 | 64 | 80 | 32 |

For every box of candy you get 16 pieces.

6)

| | | | | | |
|-----------------------------|-----|-----|-----|----|-----|
| Votes for Robin (x) | 8 | 10 | 7 | 2 | 9 |
| Votes for Edward (y) | 312 | 390 | 273 | 78 | 351 |

For Every vote for Robin there were 39 votes for Edward.

7)

| | | | | | |
|---------------------------|-----|-----|-----|-----|-----|
| Lawns Mowed (x) | 4 | 10 | 9 | 6 | 5 |
| Dollars Earned (y) | 144 | 360 | 324 | 216 | 180 |

For every lawn mowed 36 dollars were earned.

8)

| | | | | | |
|--------------------------------|----|----|----|---|----|
| Cans of Paint (x) | 7 | 8 | 9 | 2 | 10 |
| Bird Houses Painted (y) | 28 | 32 | 36 | 8 | 40 |

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

Answers

Ex. $y = 9x$

1. $y = 45x$

2. $y = 255x$

3. $y = 14x$

4. $y = 2x$

5. $y = 16x$

6. $y = 39x$

7. $y = 36x$

8. $y = 4x$



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

Answers

Ex)

| | | | | | |
|----------------------------------|----|-----|-----|-----|-----|
| Time in minute (x) | 2 | 9 | 6 | 3 | 4 |
| Gallons of Water Used (y) | 78 | 351 | 234 | 117 | 156 |

Every minute 39 gallons of water are used.

Ex. $y = 39x$

1. _____

1)

| | | | | | |
|----------------------------|-----|-----|----|----|-----|
| Boxes of Candy (x) | 5 | 8 | 4 | 3 | 9 |
| Pieces of Candy (y) | 100 | 160 | 80 | 60 | 180 |

For every box of candy you get _____ pieces.

2. _____

3. _____

2)

| | | | | | |
|----------------------------|----|-----|-----|-----|----|
| Votes for Lana (x) | 3 | 9 | 6 | 8 | 2 |
| Votes for Roger (y) | 60 | 180 | 120 | 160 | 40 |

For Every vote for Lana there were _____ votes for Roger.

4. _____

5. _____

3)

| | | | | | |
|-------------------------|----|----|----|-----|----|
| Tickets Sold (x) | 4 | 7 | 8 | 10 | 3 |
| Money Earned (y) | 40 | 70 | 80 | 100 | 30 |

Every ticket sold _____ dollars are earned.

6. _____

7. _____

4)

| | | | | | |
|--|----|-----|-----|-----|-----|
| Time in minute (x) | 3 | 7 | 4 | 9 | 10 |
| Distance traveled in meters (y) | 90 | 210 | 120 | 270 | 300 |

Every minute _____ meters are travelled.

8. _____

5)

| | | | | | |
|------------------------------|----|---|---|----|----|
| Pieces of Chicken (x) | 7 | 3 | 4 | 5 | 9 |
| Price in dollars (y) | 14 | 6 | 8 | 10 | 18 |

For each piece of chicken it costs _____ dollars.

6)

| | | | | | |
|--------------------------------|----|----|----|----|----|
| Concrete Blocks (x) | 5 | 10 | 6 | 8 | 4 |
| weight in kilograms (y) | 40 | 80 | 48 | 64 | 32 |

Every concrete block weighs _____ kilograms.

7)

| | | | | | |
|-------------------------|----|-----|-----|-----|-----|
| Phone Sold (x) | 3 | 8 | 5 | 10 | 6 |
| Money Earned (y) | 87 | 232 | 145 | 290 | 174 |

Every phone sold earns _____ dollars.

8)

| | | | | | |
|------------------------------|-----|----|-----|-----|-----|
| Enemies Destroyed (x) | 10 | 2 | 5 | 8 | 6 |
| Points Earned (y) | 490 | 98 | 245 | 392 | 294 |

Every enemy destroyed earns _____ points.



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

Ex)

| | | | | | |
|----------------------------------|----|-----|-----|-----|-----|
| Time in minute (x) | 2 | 9 | 6 | 3 | 4 |
| Gallons of Water Used (y) | 78 | 351 | 234 | 117 | 156 |

Every minute 39 gallons of water are used.

1)

| | | | | | |
|----------------------------|-----|-----|----|----|-----|
| Boxes of Candy (x) | 5 | 8 | 4 | 3 | 9 |
| Pieces of Candy (y) | 100 | 160 | 80 | 60 | 180 |

For every box of candy you get 20 pieces.

2)

| | | | | | |
|----------------------------|----|-----|-----|-----|----|
| Votes for Lana (x) | 3 | 9 | 6 | 8 | 2 |
| Votes for Roger (y) | 60 | 180 | 120 | 160 | 40 |

For Every vote for Lana there were 20 votes for Roger.

3)

| | | | | | |
|-------------------------|----|----|----|-----|----|
| Tickets Sold (x) | 4 | 7 | 8 | 10 | 3 |
| Money Earned (y) | 40 | 70 | 80 | 100 | 30 |

Every ticket sold 10 dollars are earned.

4)

| | | | | | |
|--|----|-----|-----|-----|-----|
| Time in minute (x) | 3 | 7 | 4 | 9 | 10 |
| Distance traveled in meters (y) | 90 | 210 | 120 | 270 | 300 |

Every minute 30 meters are travelled.

5)

| | | | | | |
|------------------------------|----|---|---|----|----|
| Pieces of Chicken (x) | 7 | 3 | 4 | 5 | 9 |
| Price in dollars (y) | 14 | 6 | 8 | 10 | 18 |

For each piece of chicken it costs 2 dollars.

6)

| | | | | | |
|--------------------------------|----|----|----|----|----|
| Concrete Blocks (x) | 5 | 10 | 6 | 8 | 4 |
| weight in kilograms (y) | 40 | 80 | 48 | 64 | 32 |

Every concrete block weighs 8 kilograms.

7)

| | | | | | |
|-------------------------|----|-----|-----|-----|-----|
| Phone Sold (x) | 3 | 8 | 5 | 10 | 6 |
| Money Earned (y) | 87 | 232 | 145 | 290 | 174 |

Every phone sold earns 29 dollars.

8)

| | | | | | |
|------------------------------|-----|----|-----|-----|-----|
| Enemies Destroyed (x) | 10 | 2 | 5 | 8 | 6 |
| Points Earned (y) | 490 | 98 | 245 | 392 | 294 |

Every enemy destroyed earns 49 points.

Answers

Ex. $y = 39x$

1. $y = 20x$

2. $y = 20x$

3. $y = 10x$

4. $y = 30x$

5. $y = 2x$

6. $y = 8x$

7. $y = 29x$

8. $y = 49x$



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

Ex)

| | | | | | |
|----------------------------------|-----|-----|-----|----|-----|
| Time in minute (x) | 5 | 10 | 7 | 2 | 9 |
| Gallons of Water Used (y) | 195 | 390 | 273 | 78 | 351 |

Every minute 39 gallons of water are used.

1)

| | | | | | |
|---------------------------|-------|-------|-------|-----|-------|
| Chocolate Bars (x) | 4 | 5 | 9 | 3 | 8 |
| Calories (y) | 1,320 | 1,650 | 2,970 | 990 | 2,640 |

Every chocolate bar has _____ calories.

2)

| | | | | | |
|---------------------------------|-----|----|-----|----|----|
| Pounds of Beef Jerky (x) | 8 | 7 | 9 | 4 | 3 |
| Price in dollars (y) | 104 | 91 | 117 | 52 | 39 |

For every pound of beef jerky it cost _____ dollars.

3)

| | | | | | |
|------------------------------|-----|-----|-----|-----|----|
| Enemies Destroyed (x) | 10 | 9 | 7 | 8 | 3 |
| Points Earned (y) | 160 | 144 | 112 | 128 | 48 |

Every enemy destroyed earns _____ points.

4)

| | | | | | |
|----------------------------|-----|-----|-----|-----|-----|
| Votes for Sarah (x) | 9 | 4 | 10 | 6 | 7 |
| Votes for Mike (y) | 423 | 188 | 470 | 282 | 329 |

For Every vote for Sarah there were _____ votes for Mike.

5)

| | | | | | |
|------------------------------|---|----|---|----|----|
| Pieces of Chicken (x) | 3 | 9 | 2 | 7 | 6 |
| Price in dollars (y) | 6 | 18 | 4 | 14 | 12 |

For each piece of chicken it costs _____ dollars.

6)

| | | | | | |
|-------------------------|-----|-----|-----|-----|-----|
| Phone Sold (x) | 8 | 6 | 5 | 4 | 9 |
| Money Earned (y) | 248 | 186 | 155 | 124 | 279 |

Every phone sold earns _____ dollars.

7)

| | | | | | |
|---------------------------|-----|-----|-----|-----|-----|
| Lawns Mowed (x) | 6 | 9 | 10 | 8 | 5 |
| Dollars Earned (y) | 270 | 405 | 450 | 360 | 225 |

For every lawn mowed _____ dollars were earned.

8)

| | | | | | |
|----------------------------|----|-----|----|----|-----|
| Boxes of Candy (x) | 2 | 9 | 4 | 3 | 7 |
| Pieces of Candy (y) | 34 | 153 | 68 | 51 | 119 |

For every box of candy you get _____ pieces.

Answers

Ex. $y = 39x$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____



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

Ex)

| | | | | | |
|----------------------------------|-----|-----|-----|----|-----|
| Time in minute (x) | 5 | 10 | 7 | 2 | 9 |
| Gallons of Water Used (y) | 195 | 390 | 273 | 78 | 351 |

Every minute 39 gallons of water are used.

1)

| | | | | | |
|---------------------------|-------|-------|-------|-----|-------|
| Chocolate Bars (x) | 4 | 5 | 9 | 3 | 8 |
| Calories (y) | 1,320 | 1,650 | 2,970 | 990 | 2,640 |

Every chocolate bar has 330 calories.

2)

| | | | | | |
|---------------------------------|-----|----|-----|----|----|
| Pounds of Beef Jerky (x) | 8 | 7 | 9 | 4 | 3 |
| Price in dollars (y) | 104 | 91 | 117 | 52 | 39 |

For every pound of beef jerky it cost 13 dollars.

3)

| | | | | | |
|------------------------------|-----|-----|-----|-----|----|
| Enemies Destroyed (x) | 10 | 9 | 7 | 8 | 3 |
| Points Earned (y) | 160 | 144 | 112 | 128 | 48 |

Every enemy destroyed earns 16 points.

4)

| | | | | | |
|----------------------------|-----|-----|-----|-----|-----|
| Votes for Sarah (x) | 9 | 4 | 10 | 6 | 7 |
| Votes for Mike (y) | 423 | 188 | 470 | 282 | 329 |

For Every vote for Sarah there were 47 votes for Mike.

5)

| | | | | | |
|------------------------------|---|----|---|----|----|
| Pieces of Chicken (x) | 3 | 9 | 2 | 7 | 6 |
| Price in dollars (y) | 6 | 18 | 4 | 14 | 12 |

For each piece of chicken it costs 2 dollars.

6)

| | | | | | |
|-------------------------|-----|-----|-----|-----|-----|
| Phone Sold (x) | 8 | 6 | 5 | 4 | 9 |
| Money Earned (y) | 248 | 186 | 155 | 124 | 279 |

Every phone sold earns 31 dollars.

7)

| | | | | | |
|---------------------------|-----|-----|-----|-----|-----|
| Lawns Mowed (x) | 6 | 9 | 10 | 8 | 5 |
| Dollars Earned (y) | 270 | 405 | 450 | 360 | 225 |

For every lawn mowed 45 dollars were earned.

8)

| | | | | | |
|----------------------------|----|-----|----|----|-----|
| Boxes of Candy (x) | 2 | 9 | 4 | 3 | 7 |
| Pieces of Candy (y) | 34 | 153 | 68 | 51 | 119 |

For every box of candy you get 17 pieces.

Answers

Ex. $y = 39x$

1. $y = 330x$

2. $y = 13x$

3. $y = 16x$

4. $y = 47x$

5. $y = 2x$

6. $y = 31x$

7. $y = 45x$

8. $y = 17x$



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

Answers

Ex)

| | | | | | |
|---------------------------|-----|-----|-----|-----|----|
| Lawns Mowed (x) | 4 | 8 | 7 | 5 | 2 |
| Dollars Earned (y) | 168 | 336 | 294 | 210 | 84 |

Ex. $y = 42x$

For every lawn mowed 42 dollars were earned.

1. _____

1)

| | | | | | |
|------------------------------|-----|-----|-----|-----|----|
| Enemies Destroyed (x) | 9 | 5 | 8 | 7 | 2 |
| Points Earned (y) | 306 | 170 | 272 | 238 | 68 |

2. _____

Every enemy destroyed earns _____ points.

3. _____

2)

| | | | | | |
|-------------------------|-----|-----|-----|-----|-----|
| Phone Sold (x) | 7 | 4 | 5 | 6 | 10 |
| Money Earned (y) | 350 | 200 | 250 | 300 | 500 |

4. _____

Every phone sold earns _____ dollars.

5. _____

3)

| | | | | | |
|----------------------------|-----|-----|-----|----|----|
| Boxes of Candy (x) | 9 | 6 | 10 | 5 | 3 |
| Pieces of Candy (y) | 153 | 102 | 170 | 85 | 51 |

6. _____

For every box of candy you get _____ pieces.

7. _____

4)

| | | | | | |
|--|-----|-----|-----|-----|-----|
| Time in minute (x) | 10 | 7 | 5 | 6 | 4 |
| Distance traveled in meters (y) | 270 | 189 | 135 | 162 | 108 |

8. _____

Every minute _____ meters are travelled.

5)

| | | | | | |
|-----------------------------|-----|-----|-----|-----|-----|
| Votes for Rachel (x) | 7 | 5 | 9 | 3 | 4 |
| Votes for Sam (y) | 343 | 245 | 441 | 147 | 196 |

For Every vote for Rachel there were _____ votes for Sam.

6)

| | | | | | |
|---------------------------------|----|----|----|----|----|
| Pounds of Beef Jerky (x) | 3 | 8 | 4 | 7 | 5 |
| Price in dollars (y) | 36 | 96 | 48 | 84 | 60 |

For every pound of beef jerky it cost _____ dollars.

7)

| | | | | | |
|--------------------------------|----|---|---|----|----|
| Cans of Paint (x) | 5 | 3 | 2 | 4 | 9 |
| Bird Houses Painted (y) | 15 | 9 | 6 | 12 | 27 |

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

8)

| | | | | | |
|----------------------------------|-----|-----|-----|-----|----|
| Time in minute (x) | 7 | 8 | 5 | 4 | 2 |
| Gallons of Water Used (y) | 343 | 392 | 245 | 196 | 98 |

Every minute _____ gallons of water are used.



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

Ex)

| | | | | | |
|---------------------------|-----|-----|-----|-----|----|
| Lawns Mowed (x) | 4 | 8 | 7 | 5 | 2 |
| Dollars Earned (y) | 168 | 336 | 294 | 210 | 84 |

For every lawn mowed 42 dollars were earned.

Answers

Ex. $y = 42x$

1)

| | | | | | |
|------------------------------|-----|-----|-----|-----|----|
| Enemies Destroyed (x) | 9 | 5 | 8 | 7 | 2 |
| Points Earned (y) | 306 | 170 | 272 | 238 | 68 |

Every enemy destroyed earns 34 points.

1. $y = 34x$

2)

| | | | | | |
|-------------------------|-----|-----|-----|-----|-----|
| Phone Sold (x) | 7 | 4 | 5 | 6 | 10 |
| Money Earned (y) | 350 | 200 | 250 | 300 | 500 |

Every phone sold earns 50 dollars.

2. $y = 50x$

3)

| | | | | | |
|----------------------------|-----|-----|-----|----|----|
| Boxes of Candy (x) | 9 | 6 | 10 | 5 | 3 |
| Pieces of Candy (y) | 153 | 102 | 170 | 85 | 51 |

For every box of candy you get 17 pieces.

3. $y = 17x$

4)

| | | | | | |
|--|-----|-----|-----|-----|-----|
| Time in minute (x) | 10 | 7 | 5 | 6 | 4 |
| Distance traveled in meters (y) | 270 | 189 | 135 | 162 | 108 |

Every minute 27 meters are travelled.

4. $y = 27x$

5)

| | | | | | |
|-----------------------------|-----|-----|-----|-----|-----|
| Votes for Rachel (x) | 7 | 5 | 9 | 3 | 4 |
| Votes for Sam (y) | 343 | 245 | 441 | 147 | 196 |

For Every vote for Rachel there were 49 votes for Sam.

5. $y = 49x$

6)

| | | | | | |
|---------------------------------|----|----|----|----|----|
| Pounds of Beef Jerky (x) | 3 | 8 | 4 | 7 | 5 |
| Price in dollars (y) | 36 | 96 | 48 | 84 | 60 |

For every pound of beef jerky it cost 12 dollars.

6. $y = 12x$

7)

| | | | | | |
|--------------------------------|----|---|---|----|----|
| Cans of Paint (x) | 5 | 3 | 2 | 4 | 9 |
| Bird Houses Painted (y) | 15 | 9 | 6 | 12 | 27 |

For every can of paint you could paint 3 bird houses.

7. $y = 3x$

8)

| | | | | | |
|----------------------------------|-----|-----|-----|-----|----|
| Time in minute (x) | 7 | 8 | 5 | 4 | 2 |
| Gallons of Water Used (y) | 343 | 392 | 245 | 196 | 98 |

Every minute 49 gallons of water are used.

8. $y = 49x$



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

Answers

Ex)

| | | | | | |
|--------------------------------|----|----|---|----|----|
| Glasses of Lemonade (x) | 5 | 8 | 2 | 7 | 4 |
| Lemons Used (y) | 20 | 32 | 8 | 28 | 16 |

Ex. $y = 4x$

For every glass of lemonade there were 4 lemons used.

1. _____

1)

| | | | | | |
|---------------------------|-------|-----|-------|-------|-------|
| Chocolate Bars (x) | 5 | 3 | 6 | 9 | 8 |
| Calories (y) | 1,300 | 780 | 1,560 | 2,340 | 2,080 |

2. _____

Every chocolate bar has _____ calories.

3. _____

2)

| | | | | | |
|---------------------------------|----|----|-----|----|----|
| Pounds of Beef Jerky (x) | 5 | 6 | 10 | 3 | 8 |
| Price in dollars (y) | 55 | 66 | 110 | 33 | 88 |

4. _____

For every pound of beef jerky it cost _____ dollars.

5. _____

3)

| | | | | | |
|--|----|----|----|----|-----|
| Time in minute (x) | 4 | 5 | 2 | 3 | 9 |
| Distance traveled in meters (y) | 64 | 80 | 32 | 48 | 144 |

6. _____

Every minute _____ meters are travelled.

7. _____

4)

| | | | | | |
|----------------------------|----|----|-----|----|-----|
| Boxes of Candy (x) | 5 | 6 | 9 | 2 | 10 |
| Pieces of Candy (y) | 80 | 96 | 144 | 32 | 160 |

8. _____

For every box of candy you get _____ pieces.

5)

| | | | | | |
|--------------------------------|----|----|----|----|----|
| Concrete Blocks (x) | 3 | 8 | 7 | 10 | 5 |
| weight in kilograms (y) | 15 | 40 | 35 | 50 | 25 |

Every concrete block weighs _____ kilograms.

6)

| | | | | | |
|---------------------------|-----|-----|-----|-----|----|
| Lawns Mowed (x) | 8 | 5 | 10 | 4 | 2 |
| Dollars Earned (y) | 248 | 155 | 310 | 124 | 62 |

For every lawn mowed _____ dollars were earned.

7)

| | | | | | |
|-------------------------|-----|----|-----|-----|-----|
| Phone Sold (x) | 8 | 2 | 3 | 6 | 7 |
| Money Earned (y) | 272 | 68 | 102 | 204 | 238 |

Every phone sold earns _____ dollars.

8)

| | | | | | |
|------------------------------|-----|-----|----|-----|-----|
| Enemies Destroyed (x) | 4 | 9 | 2 | 10 | 6 |
| Points Earned (y) | 116 | 261 | 58 | 290 | 174 |

Every enemy destroyed earns _____ points.



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

Ex)

| | | | | | |
|--------------------------------|----|----|---|----|----|
| Glasses of Lemonade (x) | 5 | 8 | 2 | 7 | 4 |
| Lemons Used (y) | 20 | 32 | 8 | 28 | 16 |

For every glass of lemonade there were 4 lemons used.

1)

| | | | | | |
|---------------------------|-------|-----|-------|-------|-------|
| Chocolate Bars (x) | 5 | 3 | 6 | 9 | 8 |
| Calories (y) | 1,300 | 780 | 1,560 | 2,340 | 2,080 |

Every chocolate bar has 260 calories.

2)

| | | | | | |
|---------------------------------|----|----|-----|----|----|
| Pounds of Beef Jerky (x) | 5 | 6 | 10 | 3 | 8 |
| Price in dollars (y) | 55 | 66 | 110 | 33 | 88 |

For every pound of beef jerky it cost 11 dollars.

3)

| | | | | | |
|--|----|----|----|----|-----|
| Time in minute (x) | 4 | 5 | 2 | 3 | 9 |
| Distance traveled in meters (y) | 64 | 80 | 32 | 48 | 144 |

Every minute 16 meters are travelled.

4)

| | | | | | |
|----------------------------|----|----|-----|----|-----|
| Boxes of Candy (x) | 5 | 6 | 9 | 2 | 10 |
| Pieces of Candy (y) | 80 | 96 | 144 | 32 | 160 |

For every box of candy you get 16 pieces.

5)

| | | | | | |
|--------------------------------|----|----|----|----|----|
| Concrete Blocks (x) | 3 | 8 | 7 | 10 | 5 |
| weight in kilograms (y) | 15 | 40 | 35 | 50 | 25 |

Every concrete block weighs 5 kilograms.

6)

| | | | | | |
|---------------------------|-----|-----|-----|-----|----|
| Lawns Mowed (x) | 8 | 5 | 10 | 4 | 2 |
| Dollars Earned (y) | 248 | 155 | 310 | 124 | 62 |

For every lawn mowed 31 dollars were earned.

7)

| | | | | | |
|-------------------------|-----|----|-----|-----|-----|
| Phone Sold (x) | 8 | 2 | 3 | 6 | 7 |
| Money Earned (y) | 272 | 68 | 102 | 204 | 238 |

Every phone sold earns 34 dollars.

8)

| | | | | | |
|------------------------------|-----|-----|----|-----|-----|
| Enemies Destroyed (x) | 4 | 9 | 2 | 10 | 6 |
| Points Earned (y) | 116 | 261 | 58 | 290 | 174 |

Every enemy destroyed earns 29 points.

Answers

Ex. $y = 4x$

1. $y = 260x$

2. $y = 11x$

3. $y = 16x$

4. $y = 16x$

5. $y = 5x$

6. $y = 31x$

7. $y = 34x$

8. $y = 29x$



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

Answers

Ex)

| | | | | | |
|---------------------------|-------|-----|-------|-------|-------|
| Chocolate Bars (x) | 8 | 3 | 7 | 6 | 10 |
| Calories (y) | 2,008 | 753 | 1,757 | 1,506 | 2,510 |

Every chocolate bar has 251 calories.

Ex. $y = 251x$

1)

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

For each piece of chicken it costs _____ dollars.

1. _____

2. _____

3. _____

2)

| | | | | | |
|----------------------------|-----|-----|----|----|----|
| Boxes of Candy (x) | 10 | 8 | 3 | 5 | 4 |
| Pieces of Candy (y) | 170 | 136 | 51 | 85 | 68 |

For every box of candy you get _____ pieces.

4. _____

5. _____

6. _____

3)

| | | | | | |
|-------------------------|-----|----|-----|----|----|
| Tickets Sold (x) | 8 | 2 | 9 | 5 | 4 |
| Money Earned (y) | 104 | 26 | 117 | 65 | 52 |

Every ticket sold _____ dollars are earned.

7. _____

8. _____

4)

| | | | | | |
|--|----|-----|-----|-----|----|
| Time in minute (x) | 4 | 6 | 7 | 8 | 3 |
| Distance traveled in meters (y) | 76 | 114 | 133 | 152 | 57 |

Every minute _____ meters are travelled.

5)

| | | | | | |
|---------------------------------|----|----|----|-----|-----|
| Pounds of Beef Jerky (x) | 6 | 2 | 3 | 9 | 8 |
| Price in dollars (y) | 84 | 28 | 42 | 126 | 112 |

For every pound of beef jerky it cost _____ dollars.

6)

| | | | | | |
|----------------------------------|-----|-----|-----|-----|----|
| Time in minute (x) | 9 | 6 | 8 | 4 | 2 |
| Gallons of Water Used (y) | 225 | 150 | 200 | 100 | 50 |

Every minute _____ gallons of water are used.

7)

| | | | | | |
|--------------------------------|----|----|----|----|----|
| Concrete Blocks (x) | 7 | 2 | 3 | 8 | 4 |
| weight in kilograms (y) | 42 | 12 | 18 | 48 | 24 |

Every concrete block weighs _____ kilograms.

8)

| | | | | | |
|-----------------------------|-----|-----|-----|-----|-----|
| Votes for Emily (x) | 3 | 6 | 5 | 8 | 7 |
| Votes for Edward (y) | 132 | 264 | 220 | 352 | 308 |

For Every vote for Emily there were _____ votes for Edward.



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

Ex)

| | | | | | |
|---------------------------|-------|-----|-------|-------|-------|
| Chocolate Bars (x) | 8 | 3 | 7 | 6 | 10 |
| Calories (y) | 2,008 | 753 | 1,757 | 1,506 | 2,510 |

Every chocolate bar has 251 calories.

1)

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

For each piece of chicken it costs 2 dollars.

2)

| | | | | | |
|----------------------------|-----|-----|----|----|----|
| Boxes of Candy (x) | 10 | 8 | 3 | 5 | 4 |
| Pieces of Candy (y) | 170 | 136 | 51 | 85 | 68 |

For every box of candy you get 17 pieces.

3)

| | | | | | |
|-------------------------|-----|----|-----|----|----|
| Tickets Sold (x) | 8 | 2 | 9 | 5 | 4 |
| Money Earned (y) | 104 | 26 | 117 | 65 | 52 |

Every ticket sold 13 dollars are earned.

4)

| | | | | | |
|--|----|-----|-----|-----|----|
| Time in minute (x) | 4 | 6 | 7 | 8 | 3 |
| Distance traveled in meters (y) | 76 | 114 | 133 | 152 | 57 |

Every minute 19 meters are travelled.

5)

| | | | | | |
|---------------------------------|----|----|----|-----|-----|
| Pounds of Beef Jerky (x) | 6 | 2 | 3 | 9 | 8 |
| Price in dollars (y) | 84 | 28 | 42 | 126 | 112 |

For every pound of beef jerky it cost 14 dollars.

6)

| | | | | | |
|----------------------------------|-----|-----|-----|-----|----|
| Time in minute (x) | 9 | 6 | 8 | 4 | 2 |
| Gallons of Water Used (y) | 225 | 150 | 200 | 100 | 50 |

Every minute 25 gallons of water are used.

7)

| | | | | | |
|--------------------------------|----|----|----|----|----|
| Concrete Blocks (x) | 7 | 2 | 3 | 8 | 4 |
| weight in kilograms (y) | 42 | 12 | 18 | 48 | 24 |

Every concrete block weighs 6 kilograms.

8)

| | | | | | |
|-----------------------------|-----|-----|-----|-----|-----|
| Votes for Emily (x) | 3 | 6 | 5 | 8 | 7 |
| Votes for Edward (y) | 132 | 264 | 220 | 352 | 308 |

For Every vote for Emily there were 44 votes for Edward.

Answers

Ex. $y = 251x$

1. $y = 2x$

2. $y = 17x$

3. $y = 13x$

4. $y = 19x$

5. $y = 14x$

6. $y = 25x$

7. $y = 6x$

8. $y = 44x$



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

Answers

Ex)

| | | | | | |
|--------------------------------|----|----|----|----|----|
| Glasses of Lemonade (x) | 7 | 10 | 9 | 3 | 4 |
| Lemons Used (y) | 28 | 40 | 36 | 12 | 16 |

Ex. $y = 4x$

For every glass of lemonade there were 4 lemons used.

1. _____

1)

| | | | | | |
|----------------------------------|-----|-----|----|-----|----|
| Time in minute (x) | 7 | 4 | 2 | 10 | 3 |
| Gallons of Water Used (y) | 182 | 104 | 52 | 260 | 78 |

2. _____

Every minute _____ gallons of water are used.

3. _____

2)

| | | | | | |
|--------------------------------|----|----|----|----|----|
| Concrete Blocks (x) | 8 | 2 | 3 | 4 | 7 |
| weight in kilograms (y) | 40 | 10 | 15 | 20 | 35 |

4. _____

Every concrete block weighs _____ kilograms.

5. _____

3)

| | | | | | |
|--------------------------------|----|----|----|----|----|
| Cans of Paint (x) | 4 | 8 | 9 | 7 | 5 |
| Bird Houses Painted (y) | 20 | 40 | 45 | 35 | 25 |

6. _____

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

7. _____

4)

| | | | | | |
|---------------------------|-----|-----|-----|----|-----|
| Lawns Mowed (x) | 10 | 9 | 7 | 3 | 5 |
| Dollars Earned (y) | 310 | 279 | 217 | 93 | 155 |

8. _____

For every lawn mowed _____ dollars were earned.

5)

| | | | | | |
|---------------------------|-------|-------|-------|-----|-----|
| Chocolate Bars (x) | 8 | 4 | 6 | 2 | 3 |
| Calories (y) | 2,032 | 1,016 | 1,524 | 508 | 762 |

Every chocolate bar has _____ calories.

6)

| | | | | | |
|--|----|----|----|----|----|
| Time in minute (x) | 4 | 3 | 9 | 6 | 8 |
| Distance traveled in meters (y) | 44 | 33 | 99 | 66 | 88 |

Every minute _____ meters are travelled.

7)

| | | | | | |
|------------------------------|----|-----|-----|-----|-----|
| Enemies Destroyed (x) | 3 | 5 | 8 | 6 | 4 |
| Points Earned (y) | 78 | 130 | 208 | 156 | 104 |

Every enemy destroyed earns _____ points.

8)

| | | | | | |
|---------------------------------|----|----|----|----|-----|
| Pounds of Beef Jerky (x) | 4 | 6 | 5 | 7 | 10 |
| Price in dollars (y) | 40 | 60 | 50 | 70 | 100 |

For every pound of beef jerky it cost _____ dollars.



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

Ex)

| | | | | | |
|--------------------------------|----|----|----|----|----|
| Glasses of Lemonade (x) | 7 | 10 | 9 | 3 | 4 |
| Lemons Used (y) | 28 | 40 | 36 | 12 | 16 |

For every glass of lemonade there were 4 lemons used.

Answers

Ex. $y = 4x$

1)

| | | | | | |
|----------------------------------|-----|-----|----|-----|----|
| Time in minute (x) | 7 | 4 | 2 | 10 | 3 |
| Gallons of Water Used (y) | 182 | 104 | 52 | 260 | 78 |

Every minute 26 gallons of water are used.

1. $y = 26x$

2)

| | | | | | |
|--------------------------------|----|----|----|----|----|
| Concrete Blocks (x) | 8 | 2 | 3 | 4 | 7 |
| weight in kilograms (y) | 40 | 10 | 15 | 20 | 35 |

Every concrete block weighs 5 kilograms.

2. $y = 5x$

3. $y = 5x$

3)

| | | | | | |
|--------------------------------|----|----|----|----|----|
| Cans of Paint (x) | 4 | 8 | 9 | 7 | 5 |
| Bird Houses Painted (y) | 20 | 40 | 45 | 35 | 25 |

For every can of paint you could paint 5 bird houses.

4. $y = 31x$

5. $y = 254x$

6. $y = 11x$

4)

| | | | | | |
|---------------------------|-----|-----|-----|----|-----|
| Lawns Mowed (x) | 10 | 9 | 7 | 3 | 5 |
| Dollars Earned (y) | 310 | 279 | 217 | 93 | 155 |

For every lawn mowed 31 dollars were earned.

7. $y = 26x$

8. $y = 10x$

5)

| | | | | | |
|---------------------------|-------|-------|-------|-----|-----|
| Chocolate Bars (x) | 8 | 4 | 6 | 2 | 3 |
| Calories (y) | 2,032 | 1,016 | 1,524 | 508 | 762 |

Every chocolate bar has 254 calories.

6)

| | | | | | |
|--|----|----|----|----|----|
| Time in minute (x) | 4 | 3 | 9 | 6 | 8 |
| Distance traveled in meters (y) | 44 | 33 | 99 | 66 | 88 |

Every minute 11 meters are travelled.

7)

| | | | | | |
|------------------------------|----|-----|-----|-----|-----|
| Enemies Destroyed (x) | 3 | 5 | 8 | 6 | 4 |
| Points Earned (y) | 78 | 130 | 208 | 156 | 104 |

Every enemy destroyed earns 26 points.

8)

| | | | | | |
|---------------------------------|----|----|----|----|-----|
| Pounds of Beef Jerky (x) | 4 | 6 | 5 | 7 | 10 |
| Price in dollars (y) | 40 | 60 | 50 | 70 | 100 |

For every pound of beef jerky it cost 10 dollars.