



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)

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.

2. _____

3)

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

Every chocolate bar has calories.

3. _____

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.

4. _____

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.

5. _____

6)

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

For every lawn mowed dollars were earned.

6. _____

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.

7. _____

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.

8. _____



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

Ex)

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

Every concrete block weighs 10 kilograms.

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 3 bird houses.

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 38 votes for Victor.

3)

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

Every chocolate bar has 202 calories.

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 2 dollars.

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 16 pieces.

6)

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

For every lawn mowed 43 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 13 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 12 dollars.

Answers

Ex. $y = 10x$

1. $y = 3x$

2. $y = 38x$

3. $y = 202x$

4. $y = 2x$

5. $y = 16x$

6. $y = 43x$

7. $y = 13x$

8. $y = 12x$



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

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.

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.

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.

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.

4)

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

Every concrete block weighs kilograms.

5)

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

For every lawn mowed dollars were earned.

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.

7)

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

Every enemy destroyed earns points.

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.

Answers

Ex. $y = 33x$

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)	8	9	6	2	4
Gallons of Water Used (y)	264	297	198	66	132

Every minute 33 gallons of water are used.

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 15 dollars.

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 48 votes for Victor.

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 3 bird houses.

4)

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

Every concrete block weighs 8 kilograms.

5)

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

For every lawn mowed 32 dollars were earned.

6)

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

Every chocolate bar has 214 calories.

7)

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

Every enemy destroyed earns 31 points.

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 4 lemons used.

Answers

Ex. $y = 33x$

1. $y = 15x$

2. $y = 48x$

3. $y = 3x$

4. $y = 8x$

5. $y = 32x$

6. $y = 214x$

7. $y = 31x$

8. $y = 4x$



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

Answers

Ex)

Boxes of Candy (x)	5	9	2	4	8
Pieces of Candy (y)	80	144	32	64	128

For every box of candy you get 16 pieces.

Ex. $y = 16x$

1)

Enemies Destroyed (x)	8	3	7	9	2
Points Earned (y)	344	129	301	387	86

Every enemy destroyed earns points.

1. _____

2)

Pounds of Beef Jerky (x)	4	5	3	9	7
Price in dollars (y)	40	50	30	90	70

For every pound of beef jerky it cost dollars.

2. _____

3)

Pieces of Chicken (x)	8	2	9	10	7
Price in dollars (y)	8	2	9	10	7

For each piece of chicken it costs dollars.

3. _____

4)

Glasses of Lemonade (x)	3	9	7	5	6
Lemons Used (y)	15	45	35	25	30

For every glass of lemonade there were lemons used.

4. _____

5)

Phone Sold (x)	7	5	10	8	9
Money Earned (y)	147	105	210	168	189

Every phone sold earns dollars.

5. _____

6)

Time in minute (x)	3	9	2	5	8
Gallons of Water Used (y)	84	252	56	140	224

Every minute gallons of water are used.

6. _____

7)

Chocolate Bars (x)	10	8	5	4	2
Calories (y)	2,750	2,200	1,375	1,100	550

Every chocolate bar has calories.

7. _____

8)

Votes for Nancy (x)	5	10	7	2	6
Votes for Adam (y)	205	410	287	82	246

For Every vote for Nancy there were votes for Adam.

8. _____



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

Ex)

Boxes of Candy (x)	5	9	2	4	8
Pieces of Candy (y)	80	144	32	64	128

For every box of candy you get 16 pieces.

1)

Enemies Destroyed (x)	8	3	7	9	2
Points Earned (y)	344	129	301	387	86

Every enemy destroyed earns 43 points.

2)

Pounds of Beef Jerky (x)	4	5	3	9	7
Price in dollars (y)	40	50	30	90	70

For every pound of beef jerky it cost 10 dollars.

3)

Pieces of Chicken (x)	8	2	9	10	7
Price in dollars (y)	8	2	9	10	7

For each piece of chicken it costs 1 dollars.

4)

Glasses of Lemonade (x)	3	9	7	5	6
Lemons Used (y)	15	45	35	25	30

For every glass of lemonade there were 5 lemons used.

5)

Phone Sold (x)	7	5	10	8	9
Money Earned (y)	147	105	210	168	189

Every phone sold earns 21 dollars.

6)

Time in minute (x)	3	9	2	5	8
Gallons of Water Used (y)	84	252	56	140	224

Every minute 28 gallons of water are used.

7)

Chocolate Bars (x)	10	8	5	4	2
Calories (y)	2,750	2,200	1,375	1,100	550

Every chocolate bar has 275 calories.

8)

Votes for Nancy (x)	5	10	7	2	6
Votes for Adam (y)	205	410	287	82	246

For Every vote for Nancy there were 41 votes for Adam.

Answers

Ex. $y = 16x$

1. $y = 43x$

2. $y = 10x$

3. $y = 1x$

4. $y = 5x$

5. $y = 21x$

6. $y = 28x$

7. $y = 275x$

8. $y = 41x$



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

Answers

Ex)

Phone Sold (x)	9	4	6	5	3
Money Earned (y)	369	164	246	205	123

Every phone sold earns 41 dollars.

Ex. $y = 41x$

1)

Pieces of Chicken (x)	5	9	4	10	8
Price in dollars (y)	5	9	4	10	8

For each piece of chicken it costs dollars.

1. _____

2. _____

2)

Enemies Destroyed (x)	9	5	6	4	7
Points Earned (y)	297	165	198	132	231

Every enemy destroyed earns points.

3. _____

4. _____

3)

Time in minute (x)	2	6	8	10	9
Distance traveled in meters (y)	34	102	136	170	153

Every minute meters are travelled.

5. _____

6. _____

7. _____

4)

Tickets Sold (x)	8	3	6	2	10
Money Earned (y)	112	42	84	28	140

Every ticket sold dollars are earned.

8. _____

5)

Votes for Bianca (x)	9	10	4	5	3
Votes for Luke (y)	198	220	88	110	66

For Every vote for Bianca there were votes for Luke.

6)

Glasses of Lemonade (x)	4	10	9	3	6
Lemons Used (y)	12	30	27	9	18

For every glass of lemonade there were lemons used.

7)

Chocolate Bars (x)	7	4	5	3	10
Calories (y)	1,869	1,068	1,335	801	2,670

Every chocolate bar has calories.

8)

Boxes of Candy (x)	8	3	2	6	10
Pieces of Candy (y)	120	45	30	90	150

For every box of candy you get pieces.



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

Ex)

Phone Sold (x)	9	4	6	5	3
Money Earned (y)	369	164	246	205	123

Every phone sold earns 41 dollars.

1)

Pieces of Chicken (x)	5	9	4	10	8
Price in dollars (y)	5	9	4	10	8

For each piece of chicken it costs 1 dollars.

2)

Enemies Destroyed (x)	9	5	6	4	7
Points Earned (y)	297	165	198	132	231

Every enemy destroyed earns 33 points.

3)

Time in minute (x)	2	6	8	10	9
Distance traveled in meters (y)	34	102	136	170	153

Every minute 17 meters are travelled.

4)

Tickets Sold (x)	8	3	6	2	10
Money Earned (y)	112	42	84	28	140

Every ticket sold 14 dollars are earned.

5)

Votes for Bianca (x)	9	10	4	5	3
Votes for Luke (y)	198	220	88	110	66

For Every vote for Bianca there were 22 votes for Luke.

6)

Glasses of Lemonade (x)	4	10	9	3	6
Lemons Used (y)	12	30	27	9	18

For every glass of lemonade there were 3 lemons used.

7)

Chocolate Bars (x)	7	4	5	3	10
Calories (y)	1,869	1,068	1,335	801	2,670

Every chocolate bar has 267 calories.

8)

Boxes of Candy (x)	8	3	2	6	10
Pieces of Candy (y)	120	45	30	90	150

For every box of candy you get 15 pieces.

Answers

Ex. $y = 41x$

1. $y = 1x$

2. $y = 33x$

3. $y = 17x$

4. $y = 14x$

5. $y = 22x$

6. $y = 3x$

7. $y = 267x$

8. $y = 15x$



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

Answers

Ex)

Cans of Paint (x)	2	4	7	8	6
Bird Houses Painted (y)	8	16	28	32	24

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

Ex. $y = 4x$

1)

Tickets Sold (x)	8	2	9	7	5
Money Earned (y)	104	26	117	91	65

Every ticket sold dollars are earned.

1. _____

2)

Votes for Faye (x)	9	3	5	8	4
Votes for Victor (y)	270	90	150	240	120

For Every vote for Faye there were votes for Victor.

2. _____

3)

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

For each piece of chicken it costs dollars.

3. _____

4)

Enemies Destroyed (x)	10	9	4	7	2
Points Earned (y)	330	297	132	231	66

Every enemy destroyed earns points.

4. _____

5)

Boxes of Candy (x)	10	9	2	6	3
Pieces of Candy (y)	150	135	30	90	45

For every box of candy you get pieces.

5. _____

6)

Glasses of Lemonade (x)	6	8	7	2	4
Lemons Used (y)	24	32	28	8	16

For every glass of lemonade there were lemons used.

6. _____

7)

Time in minute (x)	6	8	9	3	4
Gallons of Water Used (y)	138	184	207	69	92

Every minute gallons of water are used.

7. _____

8)

Phone Sold (x)	9	5	3	4	6
Money Earned (y)	297	165	99	132	198

Every phone sold earns dollars.

8. _____



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

Ex)

Cans of Paint (x)	2	4	7	8	6
Bird Houses Painted (y)	8	16	28	32	24

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

1)

Tickets Sold (x)	8	2	9	7	5
Money Earned (y)	104	26	117	91	65

Every ticket sold 13 dollars are earned.

2)

Votes for Faye (x)	9	3	5	8	4
Votes for Victor (y)	270	90	150	240	120

For Every vote for Faye there were 30 votes for Victor.

3)

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

For each piece of chicken it costs 2 dollars.

4)

Enemies Destroyed (x)	10	9	4	7	2
Points Earned (y)	330	297	132	231	66

Every enemy destroyed earns 33 points.

5)

Boxes of Candy (x)	10	9	2	6	3
Pieces of Candy (y)	150	135	30	90	45

For every box of candy you get 15 pieces.

6)

Glasses of Lemonade (x)	6	8	7	2	4
Lemons Used (y)	24	32	28	8	16

For every glass of lemonade there were 4 lemons used.

7)

Time in minute (x)	6	8	9	3	4
Gallons of Water Used (y)	138	184	207	69	92

Every minute 23 gallons of water are used.

8)

Phone Sold (x)	9	5	3	4	6
Money Earned (y)	297	165	99	132	198

Every phone sold earns 33 dollars.

Answers

Ex. $y = 4x$

1. $y = 13x$

2. $y = 30x$

3. $y = 2x$

4. $y = 33x$

5. $y = 15x$

6. $y = 4x$

7. $y = 23x$

8. $y = 33x$



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

Ex)

Chocolate Bars (x)	6	10	4	7	5
Calories (y)	2,376	3,960	1,584	2,772	1,980

Every chocolate bar has 396 calories.

1)

Pieces of Chicken (x)	6	7	8	9	2
Price in dollars (y)	12	14	16	18	4

For each piece of chicken it costs dollars.

2)

Pounds of Beef Jerky (x)	3	7	8	9	4
Price in dollars (y)	30	70	80	90	40

For every pound of beef jerky it cost dollars.

3)

Time in minute (x)	5	7	10	2	9
Distance traveled in meters (y)	95	133	190	38	171

Every minute meters are travelled.

4)

Cans of Paint (x)	10	7	3	8	2
Bird Houses Painted (y)	50	35	15	40	10

For every can of paint you could paint bird houses.

5)

Glasses of Lemonade (x)	3	6	10	5	8
Lemons Used (y)	15	30	50	25	40

For every glass of lemonade there were lemons used.

6)

Concrete Blocks (x)	8	2	7	9	6
weight in kilograms (y)	80	20	70	90	60

Every concrete block weighs kilograms.

7)

Boxes of Candy (x)	9	8	6	2	4
Pieces of Candy (y)	180	160	120	40	80

For every box of candy you get pieces.

8)

Lawns Mowed (x)	5	10	9	8	7
Dollars Earned (y)	220	440	396	352	308

For every lawn mowed dollars were earned.

Answers

Ex. $y = 396x$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____



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

Ex)

Chocolate Bars (x)	6	10	4	7	5
Calories (y)	2,376	3,960	1,584	2,772	1,980

Every chocolate bar has 396 calories.

1)

Pieces of Chicken (x)	6	7	8	9	2
Price in dollars (y)	12	14	16	18	4

For each piece of chicken it costs 2 dollars.

2)

Pounds of Beef Jerky (x)	3	7	8	9	4
Price in dollars (y)	30	70	80	90	40

For every pound of beef jerky it cost 10 dollars.

3)

Time in minute (x)	5	7	10	2	9
Distance traveled in meters (y)	95	133	190	38	171

Every minute 19 meters are travelled.

4)

Cans of Paint (x)	10	7	3	8	2
Bird Houses Painted (y)	50	35	15	40	10

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

5)

Glasses of Lemonade (x)	3	6	10	5	8
Lemons Used (y)	15	30	50	25	40

For every glass of lemonade there were 5 lemons used.

6)

Concrete Blocks (x)	8	2	7	9	6
weight in kilograms (y)	80	20	70	90	60

Every concrete block weighs 10 kilograms.

7)

Boxes of Candy (x)	9	8	6	2	4
Pieces of Candy (y)	180	160	120	40	80

For every box of candy you get 20 pieces.

8)

Lawns Mowed (x)	5	10	9	8	7
Dollars Earned (y)	220	440	396	352	308

For every lawn mowed 44 dollars were earned.

Answers

Ex. $y = 396x$

1. $y = 2x$

2. $y = 10x$

3. $y = 19x$

4. $y = 5x$

5. $y = 5x$

6. $y = 10x$

7. $y = 20x$

8. $y = 44x$



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

Answers

Ex)

Enemies Destroyed (x)	2	9	5	6	10
Points Earned (y)	50	225	125	150	250

Every enemy destroyed earns 25 points.

Ex. $y = 25x$

1)

Concrete Blocks (x)	9	4	8	10	5
weight in kilograms (y)	81	36	72	90	45

Every concrete block weighs kilograms.

1. _____

2)

Glasses of Lemonade (x)	2	8	7	9	4
Lemons Used (y)	6	24	21	27	12

For every glass of lemonade there were lemons used.

2. _____

3)

Lawns Mowed (x)	5	8	6	9	7
Dollars Earned (y)	180	288	216	324	252

For every lawn mowed dollars were earned.

3. _____

4)

Pieces of Chicken (x)	5	10	6	3	7
Price in dollars (y)	10	20	12	6	14

For each piece of chicken it costs dollars.

4. _____

5)

Time in minute (x)	8	10	9	2	6
Gallons of Water Used (y)	208	260	234	52	156

Every minute gallons of water are used.

5. _____

6)

Pounds of Beef Jerky (x)	9	2	5	3	7
Price in dollars (y)	90	20	50	30	70

For every pound of beef jerky it cost dollars.

6. _____

7)

Tickets Sold (x)	2	3	9	5	6
Money Earned (y)	20	30	90	50	60

Every ticket sold dollars are earned.

7. _____

8)

Phone Sold (x)	4	5	9	2	6
Money Earned (y)	152	190	342	76	228

Every phone sold earns dollars.

8. _____



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

Ex)

Enemies Destroyed (x)	2	9	5	6	10
Points Earned (y)	50	225	125	150	250

Every enemy destroyed earns 25 points.

1)

Concrete Blocks (x)	9	4	8	10	5
weight in kilograms (y)	81	36	72	90	45

Every concrete block weighs 9 kilograms.

2)

Glasses of Lemonade (x)	2	8	7	9	4
Lemons Used (y)	6	24	21	27	12

For every glass of lemonade there were 3 lemons used.

3)

Lawns Mowed (x)	5	8	6	9	7
Dollars Earned (y)	180	288	216	324	252

For every lawn mowed 36 dollars were earned.

4)

Pieces of Chicken (x)	5	10	6	3	7
Price in dollars (y)	10	20	12	6	14

For each piece of chicken it costs 2 dollars.

5)

Time in minute (x)	8	10	9	2	6
Gallons of Water Used (y)	208	260	234	52	156

Every minute 26 gallons of water are used.

6)

Pounds of Beef Jerky (x)	9	2	5	3	7
Price in dollars (y)	90	20	50	30	70

For every pound of beef jerky it cost 10 dollars.

7)

Tickets Sold (x)	2	3	9	5	6
Money Earned (y)	20	30	90	50	60

Every ticket sold 10 dollars are earned.

8)

Phone Sold (x)	4	5	9	2	6
Money Earned (y)	152	190	342	76	228

Every phone sold earns 38 dollars.

Answers

Ex. $y = 25x$

1. $y = 9x$

2. $y = 3x$

3. $y = 36x$

4. $y = 2x$

5. $y = 26x$

6. $y = 10x$

7. $y = 10x$

8. $y = 38x$



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

Ex)

Concrete Blocks (x)	9	3	2	6	5
weight in kilograms (y)	90	30	20	60	50

Every concrete block weighs 10 kilograms.

1)

Cans of Paint (x)	6	10	5	3	8
Bird Houses Painted (y)	24	40	20	12	32

For every can of paint you could paint bird houses.

2)

Pounds of Beef Jerky (x)	5	2	8	10	6
Price in dollars (y)	55	22	88	110	66

For every pound of beef jerky it cost dollars.

3)

Glasses of Lemonade (x)	3	8	5	7	10
Lemons Used (y)	12	32	20	28	40

For every glass of lemonade there were lemons used.

4)

Time in minute (x)	4	3	9	7	6
Distance traveled in meters (y)	100	75	225	175	150

Every minute meters are travelled.

5)

Tickets Sold (x)	8	5	3	10	9
Money Earned (y)	80	50	30	100	90

Every ticket sold dollars are earned.

6)

Time in minute (x)	8	4	2	3	5
Gallons of Water Used (y)	168	84	42	63	105

Every minute gallons of water are used.

7)

Pieces of Chicken (x)	5	3	2	9	6
Price in dollars (y)	5	3	2	9	6

For each piece of chicken it costs dollars.

8)

Phone Sold (x)	6	5	7	9	2
Money Earned (y)	204	170	238	306	68

Every phone sold earns dollars.

Answers

Ex. $y = 10x$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____



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

Ex)

Concrete Blocks (x)	9	3	2	6	5
weight in kilograms (y)	90	30	20	60	50

Every concrete block weighs 10 kilograms.

1)

Cans of Paint (x)	6	10	5	3	8
Bird Houses Painted (y)	24	40	20	12	32

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

2)

Pounds of Beef Jerky (x)	5	2	8	10	6
Price in dollars (y)	55	22	88	110	66

For every pound of beef jerky it cost 11 dollars.

3)

Glasses of Lemonade (x)	3	8	5	7	10
Lemons Used (y)	12	32	20	28	40

For every glass of lemonade there were 4 lemons used.

4)

Time in minute (x)	4	3	9	7	6
Distance traveled in meters (y)	100	75	225	175	150

Every minute 25 meters are travelled.

5)

Tickets Sold (x)	8	5	3	10	9
Money Earned (y)	80	50	30	100	90

Every ticket sold 10 dollars are earned.

6)

Time in minute (x)	8	4	2	3	5
Gallons of Water Used (y)	168	84	42	63	105

Every minute 21 gallons of water are used.

7)

Pieces of Chicken (x)	5	3	2	9	6
Price in dollars (y)	5	3	2	9	6

For each piece of chicken it costs 1 dollars.

8)

Phone Sold (x)	6	5	7	9	2
Money Earned (y)	204	170	238	306	68

Every phone sold earns 34 dollars.

Answers

Ex. $y = 10x$

1. $y = 4x$

2. $y = 11x$

3. $y = 4x$

4. $y = 25x$

5. $y = 10x$

6. $y = 21x$

7. $y = 1x$

8. $y = 34x$



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

Answers

Ex)

Lawns Mowed (x)	5	2	4	8	10
Dollars Earned (y)	195	78	156	312	390

For every lawn mowed 39 dollars were earned.

Ex. $y = 39x$

1)

Chocolate Bars (x)	4	10	8	7	3
Calories (y)	916	2,290	1,832	1,603	687

Every chocolate bar has ___ calories.

1. _____

2)

Pieces of Chicken (x)	4	9	5	3	2
Price in dollars (y)	8	18	10	6	4

For each piece of chicken it costs _ dollars.

2. _____

3)

Votes for Chloe (x)	10	8	5	7	9
Votes for Jerry (y)	220	176	110	154	198

For Every vote for Chloe there were ___ votes for Jerry.

3. _____

4)

Phone Sold (x)	2	4	3	9	10
Money Earned (y)	48	96	72	216	240

Every phone sold earns ___ dollars.

4. _____

5)

Boxes of Candy (x)	8	2	3	4	10
Pieces of Candy (y)	128	32	48	64	160

For every box of candy you get ___ pieces.

5. _____

6)

Enemies Destroyed (x)	8	7	10	5	9
Points Earned (y)	208	182	260	130	234

Every enemy destroyed earns ___ points.

6. _____

7)

Glasses of Lemonade (x)	8	9	5	7	2
Lemons Used (y)	40	45	25	35	10

For every glass of lemonade there were _ lemons used.

7. _____

8)

Concrete Blocks (x)	6	4	7	10	5
weight in kilograms (y)	36	24	42	60	30

Every concrete block weighs _ kilograms.

8. _____



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

Ex)

Lawns Mowed (x)	5	2	4	8	10
Dollars Earned (y)	195	78	156	312	390

For every lawn mowed 39 dollars were earned.

1)

Chocolate Bars (x)	4	10	8	7	3
Calories (y)	916	2,290	1,832	1,603	687

Every chocolate bar has 229 calories.

2)

Pieces of Chicken (x)	4	9	5	3	2
Price in dollars (y)	8	18	10	6	4

For each piece of chicken it costs 2 dollars.

3)

Votes for Chloe (x)	10	8	5	7	9
Votes for Jerry (y)	220	176	110	154	198

For Every vote for Chloe there were 22 votes for Jerry.

4)

Phone Sold (x)	2	4	3	9	10
Money Earned (y)	48	96	72	216	240

Every phone sold earns 24 dollars.

5)

Boxes of Candy (x)	8	2	3	4	10
Pieces of Candy (y)	128	32	48	64	160

For every box of candy you get 16 pieces.

6)

Enemies Destroyed (x)	8	7	10	5	9
Points Earned (y)	208	182	260	130	234

Every enemy destroyed earns 26 points.

7)

Glasses of Lemonade (x)	8	9	5	7	2
Lemons Used (y)	40	45	25	35	10

For every glass of lemonade there were 5 lemons used.

8)

Concrete Blocks (x)	6	4	7	10	5
weight in kilograms (y)	36	24	42	60	30

Every concrete block weighs 6 kilograms.

Answers

Ex. $y = 39x$

1. $y = 229x$

2. $y = 2x$

3. $y = 22x$

4. $y = 24x$

5. $y = 16x$

6. $y = 26x$

7. $y = 5x$

8. $y = 6x$



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

Answers

Ex)

Chocolate Bars (x)	10	7	9	8	5
Calories (y)	2,820	1,974	2,538	2,256	1,410

Every chocolate bar has 282 calories.

Ex. $y = 282x$

1)

Glasses of Lemonade (x)	2	5	3	6	4
Lemons Used (y)	8	20	12	24	16

For every glass of lemonade there were lemons used.

1. _____

2)

Pieces of Chicken (x)	8	4	7	3	2
Price in dollars (y)	16	8	14	6	4

For each piece of chicken it costs dollars.

2. _____

3)

Tickets Sold (x)	4	5	6	2	10
Money Earned (y)	48	60	72	24	120

Every ticket sold dollars are earned.

3. _____

4)

Votes for Vanessa (x)	6	4	8	7	10
Votes for Edward (y)	96	64	128	112	160

For Every vote for Vanessa there were votes for Edward.

4. _____

5)

Concrete Blocks (x)	2	7	6	5	9
weight in kilograms (y)	10	35	30	25	45

Every concrete block weighs kilograms.

5. _____

6)

Cans of Paint (x)	3	4	9	2	8
Bird Houses Painted (y)	12	16	36	8	32

For every can of paint you could paint bird houses.

6. _____

7)

Phone Sold (x)	7	4	8	10	2
Money Earned (y)	140	80	160	200	40

Every phone sold earns dollars.

7. _____

8)

Time in minute (x)	10	9	6	2	5
Distance traveled in meters (y)	280	252	168	56	140

Every minute meters are travelled.

8. _____



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

Ex)

Chocolate Bars (x)	10	7	9	8	5
Calories (y)	2,820	1,974	2,538	2,256	1,410

Every chocolate bar has 282 calories.

1)

Glasses of Lemonade (x)	2	5	3	6	4
Lemons Used (y)	8	20	12	24	16

For every glass of lemonade there were 4 lemons used.

2)

Pieces of Chicken (x)	8	4	7	3	2
Price in dollars (y)	16	8	14	6	4

For each piece of chicken it costs 2 dollars.

3)

Tickets Sold (x)	4	5	6	2	10
Money Earned (y)	48	60	72	24	120

Every ticket sold 12 dollars are earned.

4)

Votes for Vanessa (x)	6	4	8	7	10
Votes for Edward (y)	96	64	128	112	160

For Every vote for Vanessa there were 16 votes for Edward.

5)

Concrete Blocks (x)	2	7	6	5	9
weight in kilograms (y)	10	35	30	25	45

Every concrete block weighs 5 kilograms.

6)

Cans of Paint (x)	3	4	9	2	8
Bird Houses Painted (y)	12	16	36	8	32

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

7)

Phone Sold (x)	7	4	8	10	2
Money Earned (y)	140	80	160	200	40

Every phone sold earns 20 dollars.

8)

Time in minute (x)	10	9	6	2	5
Distance traveled in meters (y)	280	252	168	56	140

Every minute 28 meters are travelled.

Answers

Ex. $y = 282x$

1. $y = 4x$

2. $y = 2x$

3. $y = 12x$

4. $y = 16x$

5. $y = 5x$

6. $y = 4x$

7. $y = 20x$

8. $y = 28x$