



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

**Answers**

Ex)

<b>Phone Sold (x)</b>	2	5	3	6	4
<b>Money Earned (y)</b>	94	235	141	282	188

Every phone sold earns 47 dollars.

Ex.  $y = 47x$

1. \_\_\_\_\_

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

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

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

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

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

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

8. \_\_\_\_\_

1)

<b>Pounds of Beef Jerky (x)</b>	2	4	5	8	9
<b>Price in dollars (y)</b>	20	40	50	80	90

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

2)

<b>Tickets Sold (x)</b>	4	9	8	5	7
<b>Money Earned (y)</b>	48	108	96	60	84

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

3)

<b>Cans of Paint (x)</b>	2	5	6	9	7
<b>Bird Houses Painted (y)</b>	8	20	24	36	28

For every can of paint you could paint \_\_\_\_\_ bird houses.

4)

<b>Time in minute (x)</b>	4	3	10	7	9
<b>Distance traveled in meters (y)</b>	76	57	190	133	171

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

5)

<b>Time in minute (x)</b>	8	3	6	4	10
<b>Gallons of Water Used (y)</b>	240	90	180	120	300

Every minute \_\_\_\_\_ gallons of water are used.

6)

<b>Boxes of Candy (x)</b>	5	9	3	2	6
<b>Pieces of Candy (y)</b>	90	162	54	36	108

For every box of candy you get \_\_\_\_\_ pieces.

7)

<b>Pieces of Chicken (x)</b>	3	10	7	9	4
<b>Price in dollars (y)</b>	6	20	14	18	8

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

8)

<b>Lawns Mowed (x)</b>	7	6	2	9	3
<b>Dollars Earned (y)</b>	294	252	84	378	126

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

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

Ex)

<b>Phone Sold (x)</b>	2	5	3	6	4
<b>Money Earned (y)</b>	94	235	141	282	188

Every phone sold earns 47 dollars.

Ex.  $y = 47x$

1)

<b>Pounds of Beef Jerky (x)</b>	2	4	5	8	9
<b>Price in dollars (y)</b>	20	40	50	80	90

For every pound of beef jerky it cost 10 dollars.

1.  $y = 10x$

2)

<b>Tickets Sold (x)</b>	4	9	8	5	7
<b>Money Earned (y)</b>	48	108	96	60	84

Every ticket sold 12 dollars are earned.

2.  $y = 12x$

3)

<b>Cans of Paint (x)</b>	2	5	6	9	7
<b>Bird Houses Painted (y)</b>	8	20	24	36	28

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

3.  $y = 4x$

4)

<b>Time in minute (x)</b>	4	3	10	7	9
<b>Distance traveled in meters (y)</b>	76	57	190	133	171

Every minute 19 meters are travelled.

4.  $y = 19x$

5)

<b>Time in minute (x)</b>	8	3	6	4	10
<b>Gallons of Water Used (y)</b>	240	90	180	120	300

Every minute 30 gallons of water are used.

5.  $y = 30x$

6)

<b>Boxes of Candy (x)</b>	5	9	3	2	6
<b>Pieces of Candy (y)</b>	90	162	54	36	108

For every box of candy you get 18 pieces.

6.  $y = 18x$

7)

<b>Pieces of Chicken (x)</b>	3	10	7	9	4
<b>Price in dollars (y)</b>	6	20	14	18	8

For each piece of chicken it costs 2 dollars.

7.  $y = 2x$

8)

<b>Lawns Mowed (x)</b>	7	6	2	9	3
<b>Dollars Earned (y)</b>	294	252	84	378	126

For every lawn mowed 42 dollars were earned.

8.  $y = 42x$

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

Ex)

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

For every glass of lemonade there were 4 lemons used.

Ex.  $y = 4x$

1)

<b>Boxes of Candy (x)</b>	9	6	4	10	7
<b>Pieces of Candy (y)</b>	171	114	76	190	133

For every box of candy you get \_\_\_\_\_ pieces.

1. \_\_\_\_\_

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

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

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

2)

<b>Pieces of Chicken (x)</b>	6	8	2	10	9
<b>Price in dollars (y)</b>	12	16	4	20	18

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

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

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

3)

<b>Votes for Maria (x)</b>	8	9	6	3	4
<b>Votes for Cody (y)</b>	136	153	102	51	68

For Every vote for Maria there were \_\_\_\_\_ votes for Cody.

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

8. \_\_\_\_\_

4)

<b>Time in minute (x)</b>	5	4	2	7	3
<b>Distance traveled in meters (y)</b>	145	116	58	203	87

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

5)

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

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

6)

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

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

7)

<b>Phone Sold (x)</b>	10	6	3	5	9
<b>Money Earned (y)</b>	160	96	48	80	144

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

8)

<b>Lawns Mowed (x)</b>	10	7	5	9	4
<b>Dollars Earned (y)</b>	360	252	180	324	144

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

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

Ex)

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

Ex.  $y = 4x$

For every glass of lemonade there were 4 lemons used.

1.  $y = 19x$

1)

<b>Boxes of Candy (x)</b>	9	6	4	10	7
<b>Pieces of Candy (y)</b>	171	114	76	190	133

2.  $y = 2x$

For every box of candy you get 19 pieces.

3.  $y = 17x$

2)

<b>Pieces of Chicken (x)</b>	6	8	2	10	9
<b>Price in dollars (y)</b>	12	16	4	20	18

4.  $y = 29x$

For each piece of chicken it costs 2 dollars.

5.  $y = 10x$

3)

<b>Votes for Maria (x)</b>	8	9	6	3	4
<b>Votes for Cody (y)</b>	136	153	102	51	68

6.  $y = 14x$

For Every vote for Maria there were 17 votes for Cody.

7.  $y = 16x$

4)

<b>Time in minute (x)</b>	5	4	2	7	3
<b>Distance traveled in meters (y)</b>	145	116	58	203	87

8.  $y = 36x$

Every minute 29 meters are travelled.

5)

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

For every pound of beef jerky it cost 10 dollars.

6)

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

Every ticket sold 14 dollars are earned.

7)

<b>Phone Sold (x)</b>	10	6	3	5	9
<b>Money Earned (y)</b>	160	96	48	80	144

Every phone sold earns 16 dollars.

8)

<b>Lawns Mowed (x)</b>	10	7	5	9	4
<b>Dollars Earned (y)</b>	360	252	180	324	144

For every lawn mowed 36 dollars were earned.

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

Ex)

<b>Glasses of Lemonade (x)</b>	9	5	3	4	2
<b>Lemons Used (y)</b>	45	25	15	20	10

Ex.  $y = 5x$ For every glass of lemonade there were 5 lemons used.

1. \_\_\_\_\_

1)

<b>Concrete Blocks (x)</b>	8	5	7	2	3
<b>weight in kilograms (y)</b>	72	45	63	18	27

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

Every concrete block weighs \_\_\_\_\_ kilograms.

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

2)

<b>Enemies Destroyed (x)</b>	6	4	10	2	3
<b>Points Earned (y)</b>	264	176	440	88	132

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

Every enemy destroyed earns \_\_\_\_\_ points.

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

3)

<b>Pieces of Chicken (x)</b>	7	5	8	6	10
<b>Price in dollars (y)</b>	7	5	8	6	10

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

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

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

4)

<b>Phone Sold (x)</b>	6	4	5	9	10
<b>Money Earned (y)</b>	108	72	90	162	180

8. \_\_\_\_\_

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

5)

<b>Pounds of Beef Jerky (x)</b>	9	8	5	2	10
<b>Price in dollars (y)</b>	126	112	70	28	140

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

6)

<b>Votes for Haley (x)</b>	8	10	3	9	2
<b>Votes for Kaleb (y)</b>	184	230	69	207	46

For Every vote for Haley there were \_\_\_\_\_ votes for Kaleb.

7)

<b>Tickets Sold (x)</b>	8	5	7	2	9
<b>Money Earned (y)</b>	96	60	84	24	108

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

8)

<b>Boxes of Candy (x)</b>	7	2	8	4	5
<b>Pieces of Candy (y)</b>	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  $y = kx$ **Answers**

Ex)

<b>Glasses of Lemonade (x)</b>	9	5	3	4	2
<b>Lemons Used (y)</b>	45	25	15	20	10

Ex.  $y = 5x$

For every glass of lemonade there were 5 lemons used.

1.  $y = 9x$

1)

<b>Concrete Blocks (x)</b>	8	5	7	2	3
<b>weight in kilograms (y)</b>	72	45	63	18	27

2.  $y = 44x$

Every concrete block weighs 9 kilograms.

3.  $y = 1x$

2)

<b>Enemies Destroyed (x)</b>	6	4	10	2	3
<b>Points Earned (y)</b>	264	176	440	88	132

4.  $y = 18x$

Every enemy destroyed earns 44 points.

5.  $y = 14x$

3)

<b>Pieces of Chicken (x)</b>	7	5	8	6	10
<b>Price in dollars (y)</b>	7	5	8	6	10

6.  $y = 23x$

For each piece of chicken it costs 1 dollars.

7.  $y = 12x$

4)

<b>Phone Sold (x)</b>	6	4	5	9	10
<b>Money Earned (y)</b>	108	72	90	162	180

8.  $y = 20x$

Every phone sold earns 18 dollars.

5)

<b>Pounds of Beef Jerky (x)</b>	9	8	5	2	10
<b>Price in dollars (y)</b>	126	112	70	28	140

For every pound of beef jerky it cost 14 dollars.

6)

<b>Votes for Haley (x)</b>	8	10	3	9	2
<b>Votes for Kaleb (y)</b>	184	230	69	207	46

For Every vote for Haley there were 23 votes for Kaleb.

7)

<b>Tickets Sold (x)</b>	8	5	7	2	9
<b>Money Earned (y)</b>	96	60	84	24	108

Every ticket sold 12 dollars are earned.

8)

<b>Boxes of Candy (x)</b>	7	2	8	4	5
<b>Pieces of Candy (y)</b>	140	40	160	80	100

For every box of candy you get 20 pieces.



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

**Answers**

Ex) 

<b>Concrete Blocks (x)</b>	6	5	7	9	3
<b>weight in kilograms (y)</b>	54	45	63	81	27

Every concrete block weighs 9 kilograms.

Ex.  $y = 9x$

1) 

<b>Time in minute (x)</b>	7	8	6	4	2
<b>Gallons of Water Used (y)</b>	315	360	270	180	90

Every minute \_\_\_\_\_ gallons of water are used.

1. \_\_\_\_\_

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

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

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

2) 

<b>Chocolate Bars (x)</b>	6	7	3	4	10
<b>Calories (y)</b>	1,530	1,785	765	1,020	2,550

Every chocolate bar has \_\_\_\_\_ calories.

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

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

3) 

<b>Pounds of Beef Jerky (x)</b>	6	7	9	2	5
<b>Price in dollars (y)</b>	84	98	126	28	70

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

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

8. \_\_\_\_\_

4) 

<b>Pieces of Chicken (x)</b>	3	6	9	5	10
<b>Price in dollars (y)</b>	6	12	18	10	20

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

5) 

<b>Boxes of Candy (x)</b>	10	3	4	5	2
<b>Pieces of Candy (y)</b>	160	48	64	80	32

For every box of candy you get \_\_\_\_\_ pieces.

6) 

<b>Votes for Emily (x)</b>	8	10	7	2	9
<b>Votes for Edward (y)</b>	312	390	273	78	351

For Every vote for Emily there were \_\_\_\_\_ votes for Edward.

7) 

<b>Lawns Mowed (x)</b>	4	10	9	6	5
<b>Dollars Earned (y)</b>	144	360	324	216	180

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

8) 

<b>Cans of Paint (x)</b>	7	8	9	2	10
<b>Bird Houses Painted (y)</b>	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  $y = kx$ **Answers**

Ex)

<b>Concrete Blocks (x)</b>	6	5	7	9	3
<b>weight in kilograms (y)</b>	54	45	63	81	27

Every concrete block weighs 9 kilograms.

Ex.  $y = 9x$

1)

<b>Time in minute (x)</b>	7	8	6	4	2
<b>Gallons of Water Used (y)</b>	315	360	270	180	90

Every minute 45 gallons of water are used.

1.  $y = 45x$

2)

<b>Chocolate Bars (x)</b>	6	7	3	4	10
<b>Calories (y)</b>	1,530	1,785	765	1,020	2,550

Every chocolate bar has 255 calories.

2.  $y = 255x$

3)

<b>Pounds of Beef Jerky (x)</b>	6	7	9	2	5
<b>Price in dollars (y)</b>	84	98	126	28	70

For every pound of beef jerky it cost 14 dollars.

3.  $y = 14x$

4)

<b>Pieces of Chicken (x)</b>	3	6	9	5	10
<b>Price in dollars (y)</b>	6	12	18	10	20

For each piece of chicken it costs 2 dollars.

4.  $y = 2x$

5)

<b>Boxes of Candy (x)</b>	10	3	4	5	2
<b>Pieces of Candy (y)</b>	160	48	64	80	32

For every box of candy you get 16 pieces.

5.  $y = 16x$

6)

<b>Votes for Emily (x)</b>	8	10	7	2	9
<b>Votes for Edward (y)</b>	312	390	273	78	351

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

6.  $y = 39x$

7)

<b>Lawns Mowed (x)</b>	4	10	9	6	5
<b>Dollars Earned (y)</b>	144	360	324	216	180

For every lawn mowed 36 dollars were earned.

7.  $y = 36x$

8)

<b>Cans of Paint (x)</b>	7	8	9	2	10
<b>Bird Houses Painted (y)</b>	28	32	36	8	40

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

8.  $y = 4x$





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

**Answers**

Ex)

<b>Time in minute (x)</b>	2	9	6	3	4
<b>Gallons of Water Used (y)</b>	78	351	234	117	156

Every minute 39 gallons of water are used.

Ex.  $y = 39x$

1. \_\_\_\_\_

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

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

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

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

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

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

8. \_\_\_\_\_

1)

<b>Boxes of Candy (x)</b>	5	8	4	3	9
<b>Pieces of Candy (y)</b>	100	160	80	60	180

For every box of candy you get \_\_\_\_\_ pieces.

2)

<b>Votes for Rachel (x)</b>	3	9	6	8	2
<b>Votes for Sam (y)</b>	60	180	120	160	40

For Every vote for Rachel there were \_\_\_\_\_ votes for Sam.

3)

<b>Tickets Sold (x)</b>	4	7	8	10	3
<b>Money Earned (y)</b>	40	70	80	100	30

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

4)

<b>Time in minute (x)</b>	3	7	4	9	10
<b>Distance traveled in meters (y)</b>	90	210	120	270	300

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

5)

<b>Pieces of Chicken (x)</b>	7	3	4	5	9
<b>Price in dollars (y)</b>	14	6	8	10	18

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

6)

<b>Concrete Blocks (x)</b>	5	10	6	8	4
<b>weight in kilograms (y)</b>	40	80	48	64	32

Every concrete block weighs \_\_\_\_\_ kilograms.

7)

<b>Phone Sold (x)</b>	3	8	5	10	6
<b>Money Earned (y)</b>	87	232	145	290	174

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

8)

<b>Enemies Destroyed (x)</b>	10	2	5	8	6
<b>Points Earned (y)</b>	490	98	245	392	294

Every enemy destroyed earns \_\_\_\_\_ points.



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

Answers

Ex)

<b>Time in minute (x)</b>	2	9	6	3	4
<b>Gallons of Water Used (y)</b>	78	351	234	117	156

Every minute 39 gallons of water are used.

Ex.  $y = 39x$

1)

<b>Boxes of Candy (x)</b>	5	8	4	3	9
<b>Pieces of Candy (y)</b>	100	160	80	60	180

For every box of candy you get 20 pieces.

1.  $y = 20x$

2)

<b>Votes for Rachel (x)</b>	3	9	6	8	2
<b>Votes for Sam (y)</b>	60	180	120	160	40

For Every vote for Rachel there were 20 votes for Sam.

2.  $y = 20x$

3)

<b>Tickets Sold (x)</b>	4	7	8	10	3
<b>Money Earned (y)</b>	40	70	80	100	30

Every ticket sold 10 dollars are earned.

3.  $y = 10x$

4)

<b>Time in minute (x)</b>	3	7	4	9	10
<b>Distance traveled in meters (y)</b>	90	210	120	270	300

Every minute 30 meters are travelled.

4.  $y = 30x$

5)

<b>Pieces of Chicken (x)</b>	7	3	4	5	9
<b>Price in dollars (y)</b>	14	6	8	10	18

For each piece of chicken it costs 2 dollars.

5.  $y = 2x$

6)

<b>Concrete Blocks (x)</b>	5	10	6	8	4
<b>weight in kilograms (y)</b>	40	80	48	64	32

Every concrete block weighs 8 kilograms.

6.  $y = 8x$

7)

<b>Phone Sold (x)</b>	3	8	5	10	6
<b>Money Earned (y)</b>	87	232	145	290	174

Every phone sold earns 29 dollars.

7.  $y = 29x$

8)

<b>Enemies Destroyed (x)</b>	10	2	5	8	6
<b>Points Earned (y)</b>	490	98	245	392	294

Every enemy destroyed earns 49 points.

8.  $y = 49x$



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

**Answers**

Ex)

<b>Time in minute (x)</b>	5	10	7	2	9
<b>Gallons of Water Used (y)</b>	195	390	273	78	351

Every minute 39 gallons of water are used.

Ex.  $y = 39x$

1. \_\_\_\_\_

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

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

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

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

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

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

8. \_\_\_\_\_

1)

<b>Chocolate Bars (x)</b>	4	5	9	3	8
<b>Calories (y)</b>	1,320	1,650	2,970	990	2,640

Every chocolate bar has \_\_\_\_\_ calories.

2)

<b>Pounds of Beef Jerky (x)</b>	8	7	9	4	3
<b>Price in dollars (y)</b>	104	91	117	52	39

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

3)

<b>Enemies Destroyed (x)</b>	10	9	7	8	3
<b>Points Earned (y)</b>	160	144	112	128	48

Every enemy destroyed earns \_\_\_\_\_ points.

4)

<b>Votes for Maria (x)</b>	9	4	10	6	7
<b>Votes for George (y)</b>	423	188	470	282	329

For Every vote for Maria there were \_\_\_\_\_ votes for George.

5)

<b>Pieces of Chicken (x)</b>	3	9	2	7	6
<b>Price in dollars (y)</b>	6	18	4	14	12

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

6)

<b>Phone Sold (x)</b>	8	6	5	4	9
<b>Money Earned (y)</b>	248	186	155	124	279

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

7)

<b>Lawns Mowed (x)</b>	6	9	10	8	5
<b>Dollars Earned (y)</b>	270	405	450	360	225

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

8)

<b>Boxes of Candy (x)</b>	2	9	4	3	7
<b>Pieces of Candy (y)</b>	34	153	68	51	119

For every box of candy you get \_\_\_\_\_ pieces.

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

Ex)

<b>Time in minute (x)</b>	5	10	7	2	9
<b>Gallons of Water Used (y)</b>	195	390	273	78	351

Every minute 39 gallons of water are used.

Ex.  $y = 39x$

1)

<b>Chocolate Bars (x)</b>	4	5	9	3	8
<b>Calories (y)</b>	1,320	1,650	2,970	990	2,640

Every chocolate bar has 330 calories.

1.  $y = 330x$

2)

<b>Pounds of Beef Jerky (x)</b>	8	7	9	4	3
<b>Price in dollars (y)</b>	104	91	117	52	39

For every pound of beef jerky it cost 13 dollars.

2.  $y = 13x$

3)

<b>Enemies Destroyed (x)</b>	10	9	7	8	3
<b>Points Earned (y)</b>	160	144	112	128	48

Every enemy destroyed earns 16 points.

3.  $y = 16x$

4)

<b>Votes for Maria (x)</b>	9	4	10	6	7
<b>Votes for George (y)</b>	423	188	470	282	329

For Every vote for Maria there were 47 votes for George.

4.  $y = 47x$

5)

<b>Pieces of Chicken (x)</b>	3	9	2	7	6
<b>Price in dollars (y)</b>	6	18	4	14	12

For each piece of chicken it costs 2 dollars.

5.  $y = 2x$

6)

<b>Phone Sold (x)</b>	8	6	5	4	9
<b>Money Earned (y)</b>	248	186	155	124	279

Every phone sold earns 31 dollars.

6.  $y = 31x$

7)

<b>Lawns Mowed (x)</b>	6	9	10	8	5
<b>Dollars Earned (y)</b>	270	405	450	360	225

For every lawn mowed 45 dollars were earned.

7.  $y = 45x$

8)

<b>Boxes of Candy (x)</b>	2	9	4	3	7
<b>Pieces of Candy (y)</b>	34	153	68	51	119

For every box of candy you get 17 pieces.

8.  $y = 17x$



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

**Answers**

Ex)

<b>Lawns Mowed (x)</b>	4	8	7	5	2
<b>Dollars Earned (y)</b>	168	336	294	210	84

Ex.  $y = 42x$

1. \_\_\_\_\_

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

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

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

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

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

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

8. \_\_\_\_\_

For every lawn mowed 42 dollars were earned.

1)

<b>Enemies Destroyed (x)</b>	9	5	8	7	2
<b>Points Earned (y)</b>	306	170	272	238	68

Every enemy destroyed earns \_\_\_\_\_ points.

2)

<b>Phone Sold (x)</b>	7	4	5	6	10
<b>Money Earned (y)</b>	350	200	250	300	500

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

3)

<b>Boxes of Candy (x)</b>	9	6	10	5	3
<b>Pieces of Candy (y)</b>	153	102	170	85	51

For every box of candy you get \_\_\_\_\_ pieces.

4)

<b>Time in minute (x)</b>	10	7	5	6	4
<b>Distance traveled in meters (y)</b>	270	189	135	162	108

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

5)

<b>Votes for Robin (x)</b>	7	5	9	3	4
<b>Votes for Adam (y)</b>	343	245	441	147	196

For Every vote for Robin there were \_\_\_\_\_ votes for Adam.

6)

<b>Pounds of Beef Jerky (x)</b>	3	8	4	7	5
<b>Price in dollars (y)</b>	36	96	48	84	60

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

7)

<b>Cans of Paint (x)</b>	5	3	2	4	9
<b>Bird Houses Painted (y)</b>	15	9	6	12	27

For every can of paint you could paint \_\_\_\_\_ bird houses.

8)

<b>Time in minute (x)</b>	7	8	5	4	2
<b>Gallons of Water Used (y)</b>	343	392	245	196	98

Every minute \_\_\_\_\_ gallons of water are used.

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

Ex)

<b>Lawns Mowed (x)</b>	4	8	7	5	2
<b>Dollars Earned (y)</b>	168	336	294	210	84

Ex.  $y = 42x$

For every lawn mowed 42 dollars were earned.

1.  $y = 34x$

1)

<b>Enemies Destroyed (x)</b>	9	5	8	7	2
<b>Points Earned (y)</b>	306	170	272	238	68

2.  $y = 50x$

Every enemy destroyed earns 34 points.

3.  $y = 17x$

2)

<b>Phone Sold (x)</b>	7	4	5	6	10
<b>Money Earned (y)</b>	350	200	250	300	500

4.  $y = 27x$

Every phone sold earns 50 dollars.

5.  $y = 49x$

3)

<b>Boxes of Candy (x)</b>	9	6	10	5	3
<b>Pieces of Candy (y)</b>	153	102	170	85	51

6.  $y = 12x$

For every box of candy you get 17 pieces.

7.  $y = 3x$

4)

<b>Time in minute (x)</b>	10	7	5	6	4
<b>Distance traveled in meters (y)</b>	270	189	135	162	108

8.  $y = 49x$

Every minute 27 meters are travelled.

5)

<b>Votes for Robin (x)</b>	7	5	9	3	4
<b>Votes for Adam (y)</b>	343	245	441	147	196

For Every vote for Robin there were 49 votes for Adam.

6)

<b>Pounds of Beef Jerky (x)</b>	3	8	4	7	5
<b>Price in dollars (y)</b>	36	96	48	84	60

For every pound of beef jerky it cost 12 dollars.

7)

<b>Cans of Paint (x)</b>	5	3	2	4	9
<b>Bird Houses Painted (y)</b>	15	9	6	12	27

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

8)

<b>Time in minute (x)</b>	7	8	5	4	2
<b>Gallons of Water Used (y)</b>	343	392	245	196	98

Every minute 49 gallons of water are used.

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

Ex)

<b>Glasses of Lemonade (x)</b>	5	8	2	7	4
<b>Lemons Used (y)</b>	20	32	8	28	16

For every glass of lemonade there were 4 lemons used.

Ex.  $y = 4x$

1)

<b>Chocolate Bars (x)</b>	5	3	6	9	8
<b>Calories (y)</b>	1,300	780	1,560	2,340	2,080

Every chocolate bar has \_\_\_\_\_ calories.

1. \_\_\_\_\_

2)

<b>Pounds of Beef Jerky (x)</b>	5	6	10	3	8
<b>Price in dollars (y)</b>	55	66	110	33	88

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

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

3)

<b>Time in minute (x)</b>	4	5	2	3	9
<b>Distance traveled in meters (y)</b>	64	80	32	48	144

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

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

4)

<b>Boxes of Candy (x)</b>	5	6	9	2	10
<b>Pieces of Candy (y)</b>	80	96	144	32	160

For every box of candy you get \_\_\_\_\_ pieces.

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

5)

<b>Concrete Blocks (x)</b>	3	8	7	10	5
<b>weight in kilograms (y)</b>	15	40	35	50	25

Every concrete block weighs \_\_\_\_\_ kilograms.

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

6)

<b>Lawns Mowed (x)</b>	8	5	10	4	2
<b>Dollars Earned (y)</b>	248	155	310	124	62

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

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

7)

<b>Phone Sold (x)</b>	8	2	3	6	7
<b>Money Earned (y)</b>	272	68	102	204	238

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

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

8)

<b>Enemies Destroyed (x)</b>	4	9	2	10	6
<b>Points Earned (y)</b>	116	261	58	290	174

Every enemy destroyed earns \_\_\_\_\_ points.

8. \_\_\_\_\_

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

Ex)

<b>Glasses of Lemonade (x)</b>	5	8	2	7	4
<b>Lemons Used (y)</b>	20	32	8	28	16

Ex.  $y = 4x$

For every glass of lemonade there were 4 lemons used.

1.  $y = 260x$

1)

<b>Chocolate Bars (x)</b>	5	3	6	9	8
<b>Calories (y)</b>	1,300	780	1,560	2,340	2,080

2.  $y = 11x$

Every chocolate bar has 260 calories.

3.  $y = 16x$

2)

<b>Pounds of Beef Jerky (x)</b>	5	6	10	3	8
<b>Price in dollars (y)</b>	55	66	110	33	88

4.  $y = 16x$

For every pound of beef jerky it cost 11 dollars.

5.  $y = 5x$

3)

<b>Time in minute (x)</b>	4	5	2	3	9
<b>Distance traveled in meters (y)</b>	64	80	32	48	144

6.  $y = 31x$

Every minute 16 meters are travelled.

7.  $y = 34x$

4)

<b>Boxes of Candy (x)</b>	5	6	9	2	10
<b>Pieces of Candy (y)</b>	80	96	144	32	160

8.  $y = 29x$

For every box of candy you get 16 pieces.

5)

<b>Concrete Blocks (x)</b>	3	8	7	10	5
<b>weight in kilograms (y)</b>	15	40	35	50	25

Every concrete block weighs 5 kilograms.

6)

<b>Lawns Mowed (x)</b>	8	5	10	4	2
<b>Dollars Earned (y)</b>	248	155	310	124	62

For every lawn mowed 31 dollars were earned.

7)

<b>Phone Sold (x)</b>	8	2	3	6	7
<b>Money Earned (y)</b>	272	68	102	204	238

Every phone sold earns 34 dollars.

8)

<b>Enemies Destroyed (x)</b>	4	9	2	10	6
<b>Points Earned (y)</b>	116	261	58	290	174

Every enemy destroyed earns 29 points.





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

**Answers**

Ex)

<b>Chocolate Bars (x)</b>	8	3	7	6	10
<b>Calories (y)</b>	2,008	753	1,757	1,506	2,510

Every chocolate bar has 251 calories.

Ex.  $y = 251x$

1. \_\_\_\_\_

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

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

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

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

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

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

8. \_\_\_\_\_

1)

<b>Pieces of Chicken (x)</b>	7	6	10	4	8
<b>Price in dollars (y)</b>	14	12	20	8	16

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

2)

<b>Boxes of Candy (x)</b>	10	8	3	5	4
<b>Pieces of Candy (y)</b>	170	136	51	85	68

For every box of candy you get \_\_\_\_\_ pieces.

3)

<b>Tickets Sold (x)</b>	8	2	9	5	4
<b>Money Earned (y)</b>	104	26	117	65	52

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

4)

<b>Time in minute (x)</b>	4	6	7	8	3
<b>Distance traveled in meters (y)</b>	76	114	133	152	57

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

5)

<b>Pounds of Beef Jerky (x)</b>	6	2	3	9	8
<b>Price in dollars (y)</b>	84	28	42	126	112

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

6)

<b>Time in minute (x)</b>	9	6	8	4	2
<b>Gallons of Water Used (y)</b>	225	150	200	100	50

Every minute \_\_\_\_\_ gallons of water are used.

7)

<b>Concrete Blocks (x)</b>	7	2	3	8	4
<b>weight in kilograms (y)</b>	42	12	18	48	24

Every concrete block weighs \_\_\_\_\_ kilograms.

8)

<b>Votes for Emily (x)</b>	3	6	5	8	7
<b>Votes for Cody (y)</b>	132	264	220	352	308

For Every vote for Emily there were \_\_\_\_\_ votes for Cody.

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

Ex)	<b>Chocolate Bars (x)</b>	8	3	7	6	10
	<b>Calories (y)</b>	2,008	753	1,757	1,506	2,510

Every chocolate bar has 251 calories.

Ex.  $y = 251x$

1)	<b>Pieces of Chicken (x)</b>	7	6	10	4	8
	<b>Price in dollars (y)</b>	14	12	20	8	16

For each piece of chicken it costs 2 dollars.

1.  $y = 2x$

2)	<b>Boxes of Candy (x)</b>	10	8	3	5	4
	<b>Pieces of Candy (y)</b>	170	136	51	85	68

For every box of candy you get 17 pieces.

2.  $y = 17x$

3)	<b>Tickets Sold (x)</b>	8	2	9	5	4
	<b>Money Earned (y)</b>	104	26	117	65	52

Every ticket sold 13 dollars are earned.

3.  $y = 13x$

4)	<b>Time in minute (x)</b>	4	6	7	8	3
	<b>Distance traveled in meters (y)</b>	76	114	133	152	57

Every minute 19 meters are travelled.

4.  $y = 19x$

5)	<b>Pounds of Beef Jerky (x)</b>	6	2	3	9	8
	<b>Price in dollars (y)</b>	84	28	42	126	112

For every pound of beef jerky it cost 14 dollars.

5.  $y = 14x$

6)	<b>Time in minute (x)</b>	9	6	8	4	2
	<b>Gallons of Water Used (y)</b>	225	150	200	100	50

Every minute 25 gallons of water are used.

6.  $y = 25x$

7)	<b>Concrete Blocks (x)</b>	7	2	3	8	4
	<b>weight in kilograms (y)</b>	42	12	18	48	24

Every concrete block weighs 6 kilograms.

7.  $y = 6x$

8)	<b>Votes for Emily (x)</b>	3	6	5	8	7
	<b>Votes for Cody (y)</b>	132	264	220	352	308

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

8.  $y = 44x$



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

**Answers**

Ex) 

<b>Glasses of Lemonade (x)</b>	7	10	9	3	4
<b>Lemons Used (y)</b>	28	40	36	12	16

Ex.  $y = 4x$

For every glass of lemonade there were 4 lemons used.

1. \_\_\_\_\_

1) 

<b>Time in minute (x)</b>	7	4	2	10	3
<b>Gallons of Water Used (y)</b>	182	104	52	260	78

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

Every minute \_\_\_\_\_ gallons of water are used.

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

2) 

<b>Concrete Blocks (x)</b>	8	2	3	4	7
<b>weight in kilograms (y)</b>	40	10	15	20	35

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

Every concrete block weighs \_\_\_\_\_ kilograms.

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

3) 

<b>Cans of Paint (x)</b>	4	8	9	7	5
<b>Bird Houses Painted (y)</b>	20	40	45	35	25

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

For every can of paint you could paint \_\_\_\_\_ bird houses.

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

4) 

<b>Lawns Mowed (x)</b>	10	9	7	3	5
<b>Dollars Earned (y)</b>	310	279	217	93	155

8. \_\_\_\_\_

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

5) 

<b>Chocolate Bars (x)</b>	8	4	6	2	3
<b>Calories (y)</b>	2,032	1,016	1,524	508	762

Every chocolate bar has \_\_\_\_\_ calories.

6) 

<b>Time in minute (x)</b>	4	3	9	6	8
<b>Distance traveled in meters (y)</b>	44	33	99	66	88

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

7) 

<b>Enemies Destroyed (x)</b>	3	5	8	6	4
<b>Points Earned (y)</b>	78	130	208	156	104

Every enemy destroyed earns \_\_\_\_\_ points.

8) 

<b>Pounds of Beef Jerky (x)</b>	4	6	5	7	10
<b>Price in dollars (y)</b>	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)

<b>Glasses of Lemonade (x)</b>	7	10	9	3	4
<b>Lemons Used (y)</b>	28	40	36	12	16

For every glass of lemonade there were 4 lemons used.

Ex.  $y = 4x$

1)

<b>Time in minute (x)</b>	7	4	2	10	3
<b>Gallons of Water Used (y)</b>	182	104	52	260	78

Every minute 26 gallons of water are used.

1.  $y = 26x$

2)

<b>Concrete Blocks (x)</b>	8	2	3	4	7
<b>weight in kilograms (y)</b>	40	10	15	20	35

Every concrete block weighs 5 kilograms.

2.  $y = 5x$

3.  $y = 5x$

3)

<b>Cans of Paint (x)</b>	4	8	9	7	5
<b>Bird Houses Painted (y)</b>	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)

<b>Lawns Mowed (x)</b>	10	9	7	3	5
<b>Dollars Earned (y)</b>	310	279	217	93	155

For every lawn mowed 31 dollars were earned.

7.  $y = 26x$

8.  $y = 10x$

5)

<b>Chocolate Bars (x)</b>	8	4	6	2	3
<b>Calories (y)</b>	2,032	1,016	1,524	508	762

Every chocolate bar has 254 calories.

6)

<b>Time in minute (x)</b>	4	3	9	6	8
<b>Distance traveled in meters (y)</b>	44	33	99	66	88

Every minute 11 meters are travelled.

7)

<b>Enemies Destroyed (x)</b>	3	5	8	6	4
<b>Points Earned (y)</b>	78	130	208	156	104

Every enemy destroyed earns 26 points.

8)

<b>Pounds of Beef Jerky (x)</b>	4	6	5	7	10
<b>Price in dollars (y)</b>	40	60	50	70	100

For every pound of beef jerky it cost 10 dollars.