



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

Answers

Ex)

Cans of Paint (x)	7	3	5	10	6
Bird Houses Painted (y)	35	15	25	50	30

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

Ex. $y = 5x$

1)

Concrete Blocks (x)	2	7	9	10	5
weight in kilograms (y)	16	56	72	80	40

Every concrete block weighs kilograms.

1. _____

2)

Glasses of Lemonade (x)	10	5	2	7	6
Lemons Used (y)	30	15	6	21	18

For every glass of lemonade there were lemons used.

2. _____

3)

Votes for Sarah (x)	4	7	2	9	6
Votes for Frank (y)	128	224	64	288	192

For Every vote for Sarah there were votes for Frank.

3. _____

4)

Time in minute (x)	3	8	5	2	9
Distance traveled in meters (y)	75	200	125	50	225

Every minute meters are travelled.

4. _____

5)

Pieces of Chicken (x)	7	9	5	3	6
Price in dollars (y)	14	18	10	6	12

For each piece of chicken it costs dollars.

5. _____

6)

Enemies Destroyed (x)	9	7	10	5	3
Points Earned (y)	153	119	170	85	51

Every enemy destroyed earns points.

6. _____

7)

Pounds of Beef Jerky (x)	4	7	2	10	6
Price in dollars (y)	48	84	24	120	72

For every pound of beef jerky it cost dollars.

7. _____

8)

Time in minute (x)	10	4	3	5	8
Gallons of Water Used (y)	240	96	72	120	192

Every minute gallons of water are used.

8. _____



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

Ex)

Cans of Paint (x)	7	3	5	10	6
Bird Houses Painted (y)	35	15	25	50	30

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

1)

Concrete Blocks (x)	2	7	9	10	5
weight in kilograms (y)	16	56	72	80	40

Every concrete block weighs 8 kilograms.

2)

Glasses of Lemonade (x)	10	5	2	7	6
Lemons Used (y)	30	15	6	21	18

For every glass of lemonade there were 3 lemons used.

3)

Votes for Sarah (x)	4	7	2	9	6
Votes for Frank (y)	128	224	64	288	192

For Every vote for Sarah there were 32 votes for Frank.

4)

Time in minute (x)	3	8	5	2	9
Distance traveled in meters (y)	75	200	125	50	225

Every minute 25 meters are travelled.

5)

Pieces of Chicken (x)	7	9	5	3	6
Price in dollars (y)	14	18	10	6	12

For each piece of chicken it costs 2 dollars.

6)

Enemies Destroyed (x)	9	7	10	5	3
Points Earned (y)	153	119	170	85	51

Every enemy destroyed earns 17 points.

7)

Pounds of Beef Jerky (x)	4	7	2	10	6
Price in dollars (y)	48	84	24	120	72

For every pound of beef jerky it cost 12 dollars.

8)

Time in minute (x)	10	4	3	5	8
Gallons of Water Used (y)	240	96	72	120	192

Every minute 24 gallons of water are used.

Answers

Ex. $y = 5x$

1. $y = 8x$

2. $y = 3x$

3. $y = 32x$

4. $y = 25x$

5. $y = 2x$

6. $y = 17x$

7. $y = 12x$

8. $y = 24x$