



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. _____



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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. $y = 4x$