



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. _____



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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. $y = 34x$