



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. $y = 38x$