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

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

Every minute 39 gallons of water are used.

1)	Boxes of Candy (x)	5	8	4	3	9
	Pieces of Candy (y)	100	160	80	60	180

For every box of candy you get pieces.

2)	Votes for Lana (x)	3	9	6	8	2
	Votes for Roger (y)	60	180	120	160	40

For Every vote for Lana there were _____ votes for Roger.

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

Every ticket sold dollars are earned.

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

Every minute _____ meters are travelled.

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

For each piece of chicken it costs _____ dollars.

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

Every concrete block weighs _____ kilograms.

7)	Phone Sold (x)	3	8	5	10	6
	Money Earned (y)	87	232	145	290	174

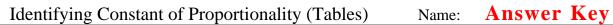
Every phone sold earns _____ dollars.

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

Every enemy destroyed earns _____ points.

Answers

$$Ex. y = 39x$$



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

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

Every minute 39 gallons of water are used.

1)	Boxes of Candy (x)	5	8	4	3	9
	Pieces of Candy (y)	100	160	80	60	180

For every box of candy you get 20

2)	Votes for Lana (x)	3	9	6	8	2
	Votes for Roger (y)	60	180	120	160	40

For Every vote for Lana there were 20 votes for Roger.

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

Every ticket sold _____ dollars are earned.

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

Every minute 30 meters are travelled.

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

For each piece of chicken it costs _____ dollars.

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

Every concrete block weighs 8 kilograms.

7)	Phone Sold (x)	3	8	5	10	6
	Money Earned (y)	87	232	145	290	174

Every phone sold earns 29 dollars.

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

Every enemy destroyed earns 49 points.

Answers

$$Ex. y = 39x$$

1.
$$y = 20x$$

$$y = 20x$$

$$y = 10x$$

$$y = 30x$$

$$\mathbf{y} = \mathbf{2}\mathbf{x}$$

$$\mathbf{y} = \mathbf{8}\mathbf{x}$$

$$y = 29x$$

$$y = 49x$$