



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

**Answers**

Ex)

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

Every minute 39 gallons of water are used.

Ex.  $y = 39x$

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

1)

<b>Boxes of Candy (x)</b>	5	8	4	3	9
<b>Pieces of Candy (y)</b>	100	160	80	60	180

For every box of candy you get \_\_\_\_\_ pieces.

2)

<b>Votes for Rachel (x)</b>	3	9	6	8	2
<b>Votes for Sam (y)</b>	60	180	120	160	40

For Every vote for Rachel there were \_\_\_\_\_ votes for Sam.

3)

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

Every ticket sold \_\_\_\_\_ dollars are earned.

4)

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

Every minute \_\_\_\_\_ meters are travelled.

5)

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

For each piece of chicken it costs \_\_\_\_\_ dollars.

6)

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

Every concrete block weighs \_\_\_\_\_ kilograms.

7)

<b>Phone Sold (x)</b>	3	8	5	10	6
<b>Money Earned (y)</b>	87	232	145	290	174

Every phone sold earns \_\_\_\_\_ dollars.

8)

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

Every enemy destroyed earns \_\_\_\_\_ points.

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Every minute 39 gallons of water are used.

Ex.  $y = 39x$

1)

<b>Boxes of Candy (x)</b>	5	8	4	3	9
<b>Pieces of Candy (y)</b>	100	160	80	60	180

For every box of candy you get 20 pieces.

1.  $y = 20x$

2)

<b>Votes for Rachel (x)</b>	3	9	6	8	2
<b>Votes for Sam (y)</b>	60	180	120	160	40

For Every vote for Rachel there were 20 votes for Sam.

2.  $y = 20x$

3)

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

Every ticket sold 10 dollars are earned.

3.  $y = 10x$

4)

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

Every minute 30 meters are travelled.

4.  $y = 30x$

5)

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

For each piece of chicken it costs 2 dollars.

5.  $y = 2x$

6)

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

Every concrete block weighs 8 kilograms.

6.  $y = 8x$

7)

<b>Phone Sold (x)</b>	3	8	5	10	6
<b>Money Earned (y)</b>	87	232	145	290	174

Every phone sold earns 29 dollars.

7.  $y = 29x$

8)

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

Every enemy destroyed earns 49 points.

8.  $y = 49x$