Identifying Constant of Proportionality (Tables)   Name:

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

Answers

Ex)

Cans of Paint (x)	5	2	3	9	7
Bird Houses Painted (y)	15	6	9	27	21

For every can of paint you could paint ___3___ bird houses.

Ex. _____ **y = 3x** _____

1)

Time in minute (x)	9	8	2	5	4
Gallons of Water Used (y)	198	176	44	110	88

Every minute _____ gallons of water are used.

1. _____

2. _____

2)

Concrete Blocks (x)	3	7	5	6	8
weight in kilograms (y)	30	70	50	60	80

Every concrete block weighs _____ kilograms.

3. _____

4. _____

3)

Lawns Mowed (x)	6	2	5	8	9
Dollars Earned (y)	270	90	225	360	405

For every lawn mowed _____ dollars were earned.

5. _____

4)

Votes for Vanessa (x)	10	7	3	5	4
Votes for Mike (y)	250	175	75	125	100

For Every vote for Vanessa there were _____ votes for Mike.

6. _____

7. _____

5)

Phone Sold (x)	4	7	2	8	6
Money Earned (y)	88	154	44	176	132

Every phone sold earns _____ dollars.

8. _____

6)

Time in minute (x)	8	10	4	9	7
Distance traveled in meters (y)	184	230	92	207	161

Every minute _____ meters are travelled.

7)

Boxes of Candy (x)	2	7	8	6	9
Pieces of Candy (y)	38	133	152	114	171

For every box of candy you get _____ pieces.

8)

Enemies Destroyed (x)	4	8	5	10	2
Points Earned (y)	164	328	205	410	82

Every enemy destroyed earns _____ points.

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

Answers

Ex)

Cans of Paint (x)	5	2	3	9	7
Bird Houses Painted (y)	15	6	9	27	21

For every can of paint you could paint ___3___ bird houses.

Ex. ____**y = 3x**____

1)

Time in minute (x)	9	8	2	5	4
Gallons of Water Used (y)	198	176	44	110	88

Every minute ___22___ gallons of water are used.

1. ____**y = 22x**____

2. ____**y = 10x**____

2)

Concrete Blocks (x)	3	7	5	6	8
weight in kilograms (y)	30	70	50	60	80

Every concrete block weighs ___10___ kilograms.

3. ____**y = 45x**____

4. ____**y = 25x**____

3)

Lawns Mowed (x)	6	2	5	8	9
Dollars Earned (y)	270	90	225	360	405

For every lawn mowed ___45___ dollars were earned.

5. ____**y = 22x**____

6. ____**y = 23x**____

4)

Votes for Vanessa (x)	10	7	3	5	4
Votes for Mike (y)	250	175	75	125	100

For Every vote for Vanessa there were ___25___ votes for Mike.

7. ____**y = 19x**____

8. ____**y = 41x**____

5)

Phone Sold (x)	4	7	2	8	6
Money Earned (y)	88	154	44	176	132

Every phone sold earns ___22___ dollars.

6)

Time in minute (x)	8	10	4	9	7
Distance traveled in meters (y)	184	230	92	207	161

Every minute ___23___ meters are travelled.

7)

Boxes of Candy (x)	2	7	8	6	9
Pieces of Candy (y)	38	133	152	114	171

For every box of candy you get ___19___ pieces.

8)

Enemies Destroyed (x)	4	8	5	10	2
Points Earned (y)	164	328	205	410	82

Every enemy destroyed earns ___41___ points.