

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

Ex)

Enemies Destroyed (x)	2	6	8	4	3
Points Earned (y)	96	288	384	192	144

Every enemy destroyed earns 48 points.

1)

Time in minute (x)	4	10	5	9	8
Gallons of Water Used (y)	60	150	75	135	120

Every minute _____ gallons of water are used.

2)

Concrete Blocks (x)	7	4	8	3	2
weight in kilograms (y)	56	32	64	24	16

Every concrete block weighs _____ kilograms.

3)

Votes for Haley (x)	3	4	8	10	5
Votes for Sam (y)	84	112	224	280	140

For Every vote for Haley there were _____ votes for Sam.

4)

Tickets Sold (x)	5	7	8	9	2
Money Earned (y)	65	91	104	117	26

Every ticket sold _____ dollars are earned.

5)

Boxes of Candy (x)	4	7	10	8	6
Pieces of Candy (y)	68	119	170	136	102

For every box of candy you get _____ pieces.

6)

Time in minute (x)	5	6	10	2	3
Distance traveled in meters (y)	85	102	170	34	51

Every minute _____ meters are travelled.

7)

Chocolate Bars (x)	4	7	2	9	8
Calories (y)	1,360	2,380	680	3,060	2,720

Every chocolate bar has _____ calories.

8)

Glasses of Lemonade (x)	9	4	8	3	5
Lemons Used (y)	45	20	40	15	25

For every glass of lemonade there were _____ lemons used.

AnswersEx. $y = 48x$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

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

Ex)

Enemies Destroyed (x)	2	6	8	4	3
Points Earned (y)	96	288	384	192	144

Every enemy destroyed earns 48 points.

1)

Time in minute (x)	4	10	5	9	8
Gallons of Water Used (y)	60	150	75	135	120

Every minute 15 gallons of water are used.

2)

Concrete Blocks (x)	7	4	8	3	2
weight in kilograms (y)	56	32	64	24	16

Every concrete block weighs 8 kilograms.

3)

Votes for Haley (x)	3	4	8	10	5
Votes for Sam (y)	84	112	224	280	140

For Every vote for Haley there were 28 votes for Sam.

4)

Tickets Sold (x)	5	7	8	9	2
Money Earned (y)	65	91	104	117	26

Every ticket sold 13 dollars are earned.

5)

Boxes of Candy (x)	4	7	10	8	6
Pieces of Candy (y)	68	119	170	136	102

For every box of candy you get 17 pieces.

6)

Time in minute (x)	5	6	10	2	3
Distance traveled in meters (y)	85	102	170	34	51

Every minute 17 meters are travelled.

7)

Chocolate Bars (x)	4	7	2	9	8
Calories (y)	1,360	2,380	680	3,060	2,720

Every chocolate bar has 340 calories.

8)

Glasses of Lemonade (x)	9	4	8	3	5
Lemons Used (y)	45	20	40	15	25

For every glass of lemonade there were 5 lemons used.**Answers**Ex. $y = 48x$ 1. $y = 15x$ 2. $y = 8x$ 3. $y = 28x$ 4. $y = 13x$ 5. $y = 17x$ 6. $y = 17x$ 7. $y = 340x$ 8. $y = 5x$