

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

Ex)

| | | | | | |
|--------------------------------|----|----|----|----|----|
| Cans of Paint (x) | 2 | 6 | 10 | 8 | 3 |
| Bird Houses Painted (y) | 10 | 30 | 50 | 40 | 15 |

For every can of paint you could paint 5 bird houses.Ex. $y = 5x$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

1)

| | | | | | |
|-------------------------|-----|-----|----|----|----|
| Tickets Sold (x) | 9 | 7 | 2 | 5 | 3 |
| Money Earned (y) | 135 | 105 | 30 | 75 | 45 |

Every ticket sold _____ dollars are earned.

2)

| | | | | | |
|--------------------------------|----|----|----|----|----|
| Concrete Blocks (x) | 10 | 5 | 4 | 8 | 3 |
| weight in kilograms (y) | 50 | 25 | 20 | 40 | 15 |

Every concrete block weighs _____ kilograms.

3)

| | | | | | |
|---------------------------------|----|----|----|----|----|
| Pounds of Beef Jerky (x) | 9 | 5 | 6 | 7 | 3 |
| Price in dollars (y) | 99 | 55 | 66 | 77 | 33 |

For every pound of beef jerky it cost _____ dollars.

4)

| | | | | | |
|-------------------------|----|----|----|-----|----|
| Phone Sold (x) | 3 | 2 | 4 | 6 | 5 |
| Money Earned (y) | 51 | 34 | 68 | 102 | 85 |

Every phone sold earns _____ dollars.

5)

| | | | | | |
|----------------------------------|----|----|-----|-----|----|
| Time in minute (x) | 5 | 2 | 7 | 10 | 6 |
| Gallons of Water Used (y) | 75 | 30 | 105 | 150 | 90 |

Every minute _____ gallons of water are used.

6)

| | | | | | |
|--|----|----|----|----|-----|
| Time in minute (x) | 9 | 4 | 3 | 2 | 10 |
| Distance traveled in meters (y) | 90 | 40 | 30 | 20 | 100 |

Every minute _____ meters are travelled.

7)

| | | | | | |
|------------------------------|-----|-----|-----|-----|-----|
| Enemies Destroyed (x) | 9 | 10 | 7 | 3 | 5 |
| Points Earned (y) | 333 | 370 | 259 | 111 | 185 |

Every enemy destroyed earns _____ points.

8)

| | | | | | |
|------------------------------|----|----|----|---|----|
| Pieces of Chicken (x) | 7 | 8 | 5 | 2 | 10 |
| Price in dollars (y) | 14 | 16 | 10 | 4 | 20 |

For each piece of chicken it costs _____ dollars.

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

Ex)

| | | | | | |
|--------------------------------|----|----|----|----|----|
| Cans of Paint (x) | 2 | 6 | 10 | 8 | 3 |
| Bird Houses Painted (y) | 10 | 30 | 50 | 40 | 15 |

For every can of paint you could paint 5 bird houses.

Ex. $y = 5x$

1)

| | | | | | |
|-------------------------|-----|-----|----|----|----|
| Tickets Sold (x) | 9 | 7 | 2 | 5 | 3 |
| Money Earned (y) | 135 | 105 | 30 | 75 | 45 |

Every ticket sold 15 dollars are earned.

1. $y = 15x$

2. $y = 5x$

3. $y = 11x$

2)

| | | | | | |
|--------------------------------|----|----|----|----|----|
| Concrete Blocks (x) | 10 | 5 | 4 | 8 | 3 |
| weight in kilograms (y) | 50 | 25 | 20 | 40 | 15 |

Every concrete block weighs 5 kilograms.

4. $y = 17x$

5. $y = 15x$

3)

| | | | | | |
|---------------------------------|----|----|----|----|----|
| Pounds of Beef Jerky (x) | 9 | 5 | 6 | 7 | 3 |
| Price in dollars (y) | 99 | 55 | 66 | 77 | 33 |

For every pound of beef jerky it cost 11 dollars.

6. $y = 10x$

7. $y = 37x$

8. $y = 2x$

4)

| | | | | | |
|-------------------------|----|----|----|-----|----|
| Phone Sold (x) | 3 | 2 | 4 | 6 | 5 |
| Money Earned (y) | 51 | 34 | 68 | 102 | 85 |

Every phone sold earns 17 dollars.

5)

| | | | | | |
|----------------------------------|----|----|-----|-----|----|
| Time in minute (x) | 5 | 2 | 7 | 10 | 6 |
| Gallons of Water Used (y) | 75 | 30 | 105 | 150 | 90 |

Every minute 15 gallons of water are used.

6)

| | | | | | |
|--|----|----|----|----|-----|
| Time in minute (x) | 9 | 4 | 3 | 2 | 10 |
| Distance traveled in meters (y) | 90 | 40 | 30 | 20 | 100 |

Every minute 10 meters are travelled.

7)

| | | | | | |
|------------------------------|-----|-----|-----|-----|-----|
| Enemies Destroyed (x) | 9 | 10 | 7 | 3 | 5 |
| Points Earned (y) | 333 | 370 | 259 | 111 | 185 |

Every enemy destroyed earns 37 points.

8)

| | | | | | |
|------------------------------|----|----|----|---|----|
| Pieces of Chicken (x) | 7 | 8 | 5 | 2 | 10 |
| Price in dollars (y) | 14 | 16 | 10 | 4 | 20 |

For each piece of chicken it costs 2 dollars.