

Copyright ©2022 Math4All

$$y = kx \longrightarrow k = _$$

Are these data sets examples of direct variation?

x	у	x	У
2	1	-6	9
3	6	1	-1.5
4	8	8	-12

If y varies directly with x, and when x=6, y=2, what is y when x=24?

- 1. Write the direct variation equation: _____
- 2. Put in the numbers that are related: _____
- 3. Solve for k:
- 4. Put our *k* into the original formula: _____
- 5. Put the new number in, and then solve for the other:

The number of candies produced on a machine varies directly with the number of hours the machine is running. When the machine runs for 5 hours, there are 750 candies. How many candies are there when the machine runs for 8 hours?