

A color cartridge for XT-100 inkjet is \$5 more than twice the price of black ink cartridge. If you can buy both cartridges for a total of \$43.25, what is the cost of the color cartridge?

x – price for black ink cartridge

$2x + 5$ – price of color cartridge

$$2x + 5 + x = 43.25$$

$$3x = 38.25$$

$$x = 12.75$$

The price of the color cartridge is \$12.75