

Lesson 9: When Are They the Same?

Cool Down: Printers and Ink

To own and operate a home printer, it costs \$100 for the printer and an additional \$0.05 per page for ink. To print out pages at an office store, it costs \$0.25 per page. Let p represent number of pages.

1. What does the equation $100 + 0.05p = 0.25p$ represent?

2. The solution to that equation is $p = 500$. What does the solution mean?