1. p + 2 = 9 - p. What is p? p + 2 - 2 = 9 - 2 - pp = 7 - pp + p = 7 - p + p2p = 7p = 3.5 2. 3p - 3 = 9 + p. What is p? 3p - 3 + 3 = 9 + 3 + p3p = 12 + p3p - p = 12 + p - p2p = 12 p = 6 3. 2(q + 6) = 16. What is q? 2q + 12 = 162q + 12 - 12 = 16 - 122q = 4 q = 2 4. 5(2q + 3) = 17. What is q? 10q + 15 = 1710q + 15 - 15 = 17 - 1510q = 2 q = 0.2 p x 3 = 27 / p. What is p? 5.  $p \times 3 / 3 = 27 / (p \times 3)$ p = 9 / pp x p = (9/p) x p $p^{2} = 9$ p = 3 8 / p = 2 x p .What is p? 6. (8 / p) x p = 2 x p x p $8 = 2p^{2}$ 7. 3(2 x q) = 9. What is q? 6q = 9 6q / 6 = 9 / 6q = 1.5 8. 4(8 / q) = 16. What is q? 32 / q = 16(32 / q) x q = 16 x q32 = 16q 32 / 16 = 16q / 16

2 = q q = 2

How did you do? If you didn't do well, watch the following videos and try again!

- What is an Equation?
- Equation Practice Problems

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