

## Two-Step Equations: MCQ

- 1) Identify the equation which has a solution at  $s = 3$ .
- a)  $-3s = -2s + 10$    b)  $-7s + 9 = -4s$    c)  $-6s - 5 = -13s$    d)  $9s + 7 = 5s$

- 2) If  $b = 5$  in the equation  $4b = 6 - c$ , find the value of  $c$ .
- a)  $c = -12$    b)  $c = 14$    c)  $c = 12$    d)  $c = -14$

- 3) Identify the equation which has a solution at  $d = 13$ .
- a)  $10d = 4d - 1$    b)  $-22 + 2d = 13d$

- 4) What is the value of  $k$  in the equation  $3k - 1 = 14$ ?
- a)  $k = 2$    b)  $k = 5$    c)  $k = -5$    d)  $k = 15$

- 5) If  $-6x + 12 = 0$  and  $2x + 3 = 4$ , what is the value of  $x$ ?
- a) 3   b) -4   c) 4   d) -3

- 6) In the equation  $6p - 1 = 11$ , what is the value of  $p$ ?
- a)  $p = 3$    b)  $p = 2$    c)  $p = 4$    d)  $p = 7$

- 7) Identify the equation which has a solution at  $z = -6$ .
- a)  $6z + 3 = 2$    b)  $2z - 3 = -3z$    c)  $\frac{z}{6} + 5 = 4$    d)  $\frac{z+7}{2} = 4$

- 8) In the equation  $8m + 2n = 0$ , if  $m = 3$ , find the value of  $n$ .
- a)  $n = 12$    b)  $n = 2$    c)  $n = -3$    d)  $n = -12$

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**Answer Key****Two-Step Equations: MCQ**

- 1) Identify the equation which has a solution at  $s = 3$ .
- a)  $-3s = -2s + 10$   b)  $-7s + 9 = -4s$  c)  $-6s - 5 = -13s$  d)  $9s + 7 = 5s$

- 2) If  $b = 5$  in the equation  $4b = 6 - c$ , find the value of  $c$ .
- a)  $c = -12$  b)  $c = 14$  c)  $c = 12$   d)  $c = -14$

- 3) Identify the equation which has a solution at  $d = 11$ .
- a)  $10d = 4d - 1$  b)  $-22 + 2d = 13d$

- 4) What is the value of  $k$  if  $3k - 1 = 14$ ?
- a)  $k = 2$  b)  $k = 5$  c)  $k = 15$  d)  $k = -5$

- 5) If  $-6x + 12 = 0$  and  $2x + 3 = 4$ , what is the value of  $x$ ?
- a)  $3$  b)  $-4$  c)  $4$  d)  $-3$

- 6) In the equation  $6p - 12 = 12$ , what is the value of  $p$ ?
- a)  $p = 3$  b)  $p = 4$  c)  $p = 5$  d)  $p = 7$

- 7) Identify the equation which has a solution at  $z = -6$ .
- a)  $6z + 3 = 2$  b)  $2z - 3 = -3z$   c)  $\frac{z}{6} + 5 = 4$  d)  $\frac{z+7}{2} = 4$

- 8) In the equation  $8m + 2n = 0$ , if  $m = 3$ , find the value of  $n$ .
- a)  $n = 12$  b)  $n = 2$  c)  $n = -3$   d)  $n = -12$

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