

# MOVING WORDS

Solve each equation in the top block and find the solutions in the bottom block. Transfer the word from the top box to the corresponding bottom box. You will discover a spooky mystery!

<b>1</b> <b>WITCHES</b> $(x + 4)(x + 9) = 0$ $x = -4 \quad x = -9$	<b>2</b> <b>ONCE</b> $(w + 6)(w + 11) = 0$ $w = -6 \quad w = -11$	<b>3</b> <b>BUT</b> $(a - 7)(a - 2) = 0$ $a = 7 \quad a = 2$
<b>4</b> <b>WISH</b> $(n + 3)(n - 10) = 0$ $n = -3 \quad n = 10$	<b>5</b> <b>WITCH</b> $(d + 15)(d - 4) = 0$ $d = -15 \quad d = 4$	<b>6</b> <b>A</b> $(k + 8)(k - 8) = 0$ $k = -8 \quad k = 8$
<b>7</b> <b>WISHED</b> $h(h - 14) = 0$ $h = 0 \quad h = 14$	<b>8</b> <b>THREE</b> $y(y + 1)(y - 16) = 0$ $y = 0 \quad y = -1 \quad y = 16$	<b>9</b> <b>WHICH</b> $(2b - 3)(b + 9) = 0$ $b = \frac{3}{2} \quad b = -9$
<b>10</b> <b>TIME</b> $(q - 5)(4q + 1) = 0$ $q = 5 \quad q = -\frac{1}{4}$	<b>11</b> <b>WHICH</b> $(7m - 2)(7m + 2) = 0$ $m = \frac{2}{7} \quad m = -\frac{2}{7}$	<b>12</b> <b>UPON</b> $(3x + 8)(6x + 1) = 0$ $x = -\frac{8}{3} \quad x = -\frac{1}{6}$
<b>13</b> <b>WHICH</b> $a(5a - 12)(a + 4) = 0$ $a = 0 \quad a = \frac{12}{5} \quad a = -4$	<b>14</b> <b>THREE</b> $2c(8c + 5)(8c - 13) = 0$ $c = 0 \quad c = -\frac{5}{8} \quad c = \frac{13}{8}$	<b>15</b> <b>KNOWS</b> $7p(11p - 2)(11p + 2) = 0$ $p = 0 \quad p = \frac{2}{11} \quad p = -\frac{2}{11}$
<b>16</b> <b>WISHES</b> $(e - 9)(e + 4)(e - 4) = 0$ $e = 9 \quad e = -4 \quad e = 4$	<b>17</b> <b>WISHED</b> $(x + 10)(3x - 1)(3x + 1) = 0$ $x = -10 \quad x = \frac{1}{3} \quad x = -\frac{1}{3}$	<b>18</b> <b>WITCH</b> $(2t - 5)(7t - 6)(7t + 6) = 0$ $t = \frac{5}{2} \quad t = \frac{6}{7} \quad t = -\frac{6}{7}$

$\{-6, -11\}$ ONCE	$\{-\frac{8}{3}, -\frac{1}{6}\}$ UPON	$\{-8, 8\}$ A	$\{5, -\frac{1}{4}\}$ TIME	$\{0, -\frac{5}{8}, \frac{13}{8}\}$ THREE	$\{-4, -9\}$ WITCHES
$\{-10, \frac{1}{3}, -\frac{1}{3}\}$ WISHED	$\{0, -1, 16\}$ THREE	$\{9, -4, 4\}$ WISHES	$\{7, 2\}$ BUT	$\{\frac{2}{7}, -\frac{2}{7}\}$ WHICH	$\{-15, 4\}$ WITCH
$\{0, \frac{2}{11}, -\frac{2}{11}\}$ KNOWS	$\{\frac{3}{2}, -9\}$ WHICH	$\{\frac{5}{2}, \frac{6}{7}, -\frac{6}{7}\}$ WITCH	$\{0, 14\}$ WISHED	$\{0, \frac{12}{5}, -4\}$ WHICH	$\{-3, 10\}$ WISH ?