I can solve one-step and two-step missing number equations using inverse operations.

**Equation Joke** 

Find the value of the letters in the equations. Then, fill in the letters in the grid below to reveal a maths joke.

|   |    |    |    |    |   |    |    |   |    |    |    |   |    |    |    |    |    |   |   |    | ? |
|---|----|----|----|----|---|----|----|---|----|----|----|---|----|----|----|----|----|---|---|----|---|
| 8 | 25 | 30 | 33 | 15 | 5 | 12 | 32 | 9 | 15 | 92 | 15 | 5 | 30 | 33 | 92 | 40 | 25 | 5 | 5 | 27 |   |

|   |   |    | - |    |    |    |   |    | ! |
|---|---|----|---|----|----|----|---|----|---|
| 5 | 8 | 27 |   | 50 | 11 | 12 | 9 | 30 |   |

| 2w + 5 = 21  | w = | 128 ÷ 4 = i    | ί = |
|--------------|-----|----------------|-----|
| s ÷ 4 = 23   | s = | 3c - 18 = 102  | c = |
| 30 - 7 = 8   | 0 = | 6a ÷ 2 = 90    | α = |
| 3t = 99      | t = | 10l + 20 = 290 | l = |
| 4b + 20 = 68 | b = | 7r = 63        | r = |
| 2g - 10 = 90 | g = | 7e - 8 = 69    | e = |
| 5d + 9 = 84  | d = | 9h = 225       | h = |





Maths | Year 6 | Algebra | Express Missing Number Problems Algebraically | Lesson 1 of 1: Solving Equations



## Equation Joke Answers

Find the value of the letters in the equations. Then, fill in the letters in the grid below to reveal a maths joke.

| ω | h  | a  | t  | d  | 0 | b  | i  | r | d  | s  | d  | 0 | a  | t  | s  | с  | h  | 0 | 0 | 1  | ? |
|---|----|----|----|----|---|----|----|---|----|----|----|---|----|----|----|----|----|---|---|----|---|
| 8 | 25 | 30 | 33 | 15 | 5 | 12 | 32 | 9 | 15 | 92 | 15 | 5 | 30 | 33 | 92 | 40 | 25 | 5 | 5 | 27 |   |

| 0 | ω | 1  | - | 9  | е  | b  | r | a  | ! |
|---|---|----|---|----|----|----|---|----|---|
| 5 | 8 | 27 |   | 50 | 11 | 12 | 9 | 30 |   |

| 2w + 5 = 21  | W = <b>8</b>  | 128 ÷ 4 = i    | i = <b>32</b> |
|--------------|---------------|----------------|---------------|
| s ÷ 4 = 23   | s = <b>92</b> | 3c - 18 = 102  | c = <b>40</b> |
| 30 - 7 = 8   | 0 = <b>S</b>  | 6a ÷ 2 = 90    | a = <b>30</b> |
| 3t = 99      | t = <b>33</b> | 10l + 20 = 290 | l = <b>27</b> |
| 4b + 20 = 68 | b = <b>12</b> | 7r = 63        | r = <b>9</b>  |
| 2g - 10 = 90 | g = <b>50</b> | 7e - 8 = 69    | e = 11        |
| 5d + 9 = 84  | d = <i>15</i> | 9h = 225       | h = <b>25</b> |



