JustMaths

**TOPIC:** Solving equations

MATHS TOP TRUMPS

Top Trumps brand name used with kind permission of Winning Moves.

| **LEARNING OUTCOMES:** | **Must:** be able to solve one-step equations. | **Should:** be able to solve two-step equations. | **Could:** be able to solve equations involving brackets. |
|---|---|---|---|

This Top Trumps maths resource has been produced by JustMaths and can be used in the classroom when teaching "Solving one-step and two-step equations". The cards are differentiated so that the activity is accessible to most groups of students to enable them to practise these topics at various levels of difficulty.

Here are a few ideas for using these cards in your lessons:

- Use the differentiation to demonstrate progress throughout the lesson, by giving the students red (pink) and orange cards initially and then introduce the green cards as a challenge.

- Allow students to choose the combination of colours that they play with, or even let them play with all three colours if they choose.

- As a final, or mid-lesson plenary, choose a card (or two) from the appropriate level, that the students have to solve to demonstrate their learning. You can do this as a whole class or with individual students.

**Even if you don't remember how to play Top Trumps, there's no need to worry as your students will ... They will also be practising lots of maths too, without even noticing!**

MATHS TOP TRUMPS

| | |
|---|---|
| Stealth: | $x + 9 = 15$ |
| Power: | $x + 29 = 29$ |
| Speed: | $3x = 15$ |
| Strength: | $x \div 3 = 6$ |

MATHS TOP TRUMPS

| | |
|---|---|
| Stealth: | $x + 13 = 13$ |
| Power: | $7 = 6 + x$ |
| Speed: | $5x = 15$ |
| Strength: | $x - 6 = 4$ |

MATHS TOP TRUMPS

| | |
|---|---|
| Stealth: | $x - 9 = 15$ |
| Power: | $x \div 2 = 7$ |
| Speed: | $4x = 16$ |
| Strength: | $x + 38 = 38$ |

MATHS TOP TRUMPS

| | |
|---|---|
| Stealth: | $x - 3 = 11$ |
| Power: | $40 = 5x$ |
| Speed: | $2x = 2$ |
| Strength: | $x + 2 = 4$ |

MATHS TOP TRUMPS

| | |
|---|---|
| Stealth: | $x + 6 = 7$ |
| Power: | $11 = x - 5$ |
| Speed: | $3x = 6$ |
| Strength: | $x - 8 = 3$ |

MATHS TOP TRUMPS

| | |
|---|---|
| Stealth: | $x + 3 = 5$ |
| Power: | $x \div 3 = 9$ |
| Speed: | $2x = 12$ |
| Strength: | $x - 6 = 7$ |

MATHS TOP TRUMPS

| | |
|---|---|
| Stealth: | $x + 2 = 9$ |
| Power: | $x - 5 = 11$ |
| Speed: | $7x = 14$ |
| Strength: | $x \div 5 = 3$ |

MATHS TOP TRUMPS

| | |
|---|---|
| Stealth: | $x - 5 = 4$ |
| Power: | $x \div 3 = 4$ |
| Speed: | $x + 12 = 12$ |
| Strength: | $x - 2 = 3$ |

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MATHS TOP TRUMPS

| | |
|---|---|
| Stealth: | $2x + 3 = 1$ |
| Power: | $2x - 4 = 16$ |
| Speed: | $3x + 1 = 25$ |
| Strength: | $3x + 1 = 37$ |

MATHS TOP TRUMPS

| | |
|---|---|
| Stealth: | $2x + 5 = 1$ |
| Power: | $3x + 3 = 12$ |
| Speed: | $2x - 1 = 19$ |
| Strength: | $2x - 6 = 2$ |

MATHS TOP TRUMPS

| | |
|---|---|
| Stealth: | $2x + 9 = 1$ |
| Power: | $9x + 3 = 21$ |
| Speed: | $2x - 4 = 14$ |
| Strength: | $3x + 6 = 3$ |

MATHS TOP TRUMPS

| | |
|---|---|
| Stealth: | $3x + 3 = 18$ |
| Power: | $8x + 3 = 43$ |
| Speed: | $2x - 1 = 13$ |
| Strength: | $2x + 1 = 19$ |

MATHS TOP TRUMPS

| | |
|---|---|
| Stealth: | $2x + 4 = 10$ |
| Power: | $3x + 3 = 36$ |
| Speed: | $2x + 10 = 4$ |
| Strength: | $5x + 1 = 30$ |

MATHS TOP TRUMPS

| | |
|---|---|
| Stealth: | $2x - 7 = 1$ |
| Power: | $2x + 12 = 20$ |
| Speed: | $2x + 9 = 1$ |
| Strength: | $4x + 1 = 5$ |

MATHS TOP TRUMPS

| | |
|---|---|
| Stealth: | $2x + 1 = 29$ |
| Power: | $2x - 4 = 8$ |
| Speed: | $3x - 3 = 42$ |
| Strength: | $3x + 3 = 12$ |

MATHS TOP TRUMPS

| | |
|---|---|
| Stealth: | $3x + 47 = 20$ |
| Power: | $2x + 1 = 15$ |
| Speed: | $x + 13 = 12$ |
| Strength: | $2x - 10 = 4$ |

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| | |
|---|---|
| Stealth: | $4(x + 2) = 8$ |
| Power: | $3(x - 3) = 21$ |
| Speed: | $5(x - 5) = 70$ |
| Strength: | $3(x - 5) = 15$ |

MATHS TOP TRUMPS

| | |
|---|---|
| Stealth: | $7(x + 4) = 35$ |
| Power: | $3x + 7 = 13$ |
| Speed: | $6(x + 5) = 20$ |
| Strength: | $4(x + 1) = 44$ |

MATHS TOP TRUMPS


| | |
|---|---|
| Stealth: | $8(x + 3) = 24$ |
| Power: | $3(2x + 6) = 18$ |
| Speed: | $5(x - 2) = -10$ |
| Strength: | $4x - 2 = 14$ |

MATHS TOP TRUMPS


| | |
|---|---|
| Stealth: | $8 - 2x = 4$ |
| Power: | $4(x - 4) = 20$ |
| Speed: | $4x - 1 = 7$ |
| Strength: | $3(x - 10) = 21$ |

MATHS TOP TRUMPS


| | |
|---|---|
| Stealth: | $2(x - 4) = 16$ |
| Power: | $2(x + 4) = 16$ |
| Speed: | $4(x - 5) = -4$ |
| Strength: | $40 - 3x = 1$ |

MATHS TOP TRUMPS


| | |
|---|---|
| Stealth: | $2 - x = x$ |
| Power: | $3(x + 2) = 6$ |
| Speed: | $5(4 - x) = 5$ |
| Strength: | $2(x - 2) = 10$ |

MATHS TOP TRUMPS


| | |
|---|---|
| Stealth: | $9 - 2x = 1$ |
| Power: | $4(x + 1) = 10$ |
| Speed: | $2(x - 4) = 18$ |
| Strength: | $3x = 51$ |

MATHS TOP TRUMPS


| | |
|---|---|
| Stealth: | $7(x + 6) = 21$ |
| Power: | $5(2x - 4) = 20$ |
| Speed: | $7 - 6x = 7$ |
| Strength: | $2(x - 4) = 8$ |