

LEARNING OUTCOMES:**Must:** Convert between ordinary and standard form numbers with a positive power (index).**Should:** Convert between ordinary and standard form numbers with a negative power.**Could:** Convert between a standard form and ordinary number regardless of its size.

This Top Trumps maths resource has been produced by JustMaths and can be used in the classroom to help support in teaching Standard Form. The cards are differentiated so that the activity is accessible to most groups of students to enable them to practise converting between ordinary and standard form numbers at various levels of difficulty.

Here's 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 once they are comfortable with positive powers.
- ☀ 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 convert 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



JABBA

Stealth:	1.2×10^2
Power:	1.45×10^3
Speed:	155
The Force:	650

MATHS TOP TRUMPS



BOSSK

Stealth:	1300
Power:	14
Speed:	1.55×10^3
The Force:	6.5×10^3

MATHS TOP TRUMPS



OBI WAN

Stealth:	1.6×10^3
Power:	1.4×10^2
Speed:	1.6×10^4
The Force:	720

MATHS TOP TRUMPS



ACKBAR

Stealth:	998
Power:	1.2×10^3
Speed:	1600
The Force:	1.0×10^9

MATHS TOP TRUMPS



CHEWIE

Stealth:	1.6×10^2
Power:	9.2×10^2
Speed:	15000
The Force:	7.2×10^4

MATHS TOP TRUMPS



DASH

Stealth:	1.3×10^2
Power:	920
Speed:	6.9×10^3
The Force:	7200

MATHS TOP TRUMPS



NIEN NUNB

Stealth:	1.600×10^4
Power:	13500
Speed:	7.9×10^1
The Force:	8.4×10^2

MATHS TOP TRUMPS



GREEDO

Stealth:	1.4×10^3
Power:	7.8×10^3
Speed:	79
The Force:	9.9×10

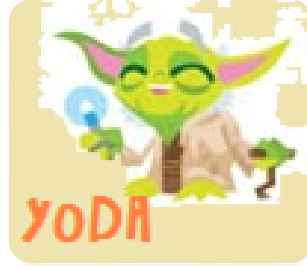
MATHS TOP TRUMPS



STORM TROOPERS

Stealth:	3.21×10^3
Power:	93000
Speed:	5.9×10
The Force:	3.41×10^3

MATHS TOP TRUMPS



YODA

Stealth:	1.3×10^1
Power:	3.9×10^2
Speed:	25300
The Force:	4.11×10^3

MATHS TOP TRUMPS



WICKET

Stealth:	3.33×10^4
Power:	4.1×10^3
Speed:	15.9
The Force:	4.44×10^3

MATHS TOP TRUMPS



VADER

Stealth:	1.3×10^3
Power:	91000
Speed:	5.23×10^2
The Force:	1.11×10^2

MATHS TOP TRUMPS



PALPATINE

Stealth:	6.23×10^2
Power:	29100
Speed:	1.57×10^2
The Force:	52.5

MATHS TOP TRUMPS



ZUCKUSS

Stealth:	3.23×10^4
Power:	19100
Speed:	3.450×10^2
The Force:	5.17×10^2

MATHS TOP TRUMPS



ZUCKUSS

Stealth:	6.43×10^3
Power:	9910
Speed:	1.39×10^2
The Force:	8.14×10^2

MATHS TOP TRUMPS



LUKE & LEIA

Stealth:	1.33×10^3
Power:	2.91×10^3
Speed:	4.19×10^2
The Force:	3.11×10^2

MATHS TOP TRUMPS



MARA JADE

Stealth:	9.713×10^{-5}
Power:	5.23×10^2
Speed:	6.12×10^{-3}
The Force:	5.49×10^3

MATHS TOP TRUMPS



QUINLAN

Stealth:	4.72×10^{-3}
Power:	6.23×10^{-3}
Speed:	7.14×10^{-2}
The Force:	1.1×10^{-1}

MATHS TOP TRUMPS



WEDGE

Stealth:	9.9×10^1
Power:	2.93×10^3
Speed:	1.9×10^{-2}
The Force:	1.59×10^{-2}

MATHS TOP TRUMPS



EWOKS

Stealth:	9.10×10^{-2}
Power:	3.4×10^2
Speed:	6.2×10^{-2}
The Force:	7.9×10^{-1}

MATHS TOP TRUMPS



THRAWN

Stealth:	9.99×10^{-2}
Power:	3.92×10^2
Speed:	2×10^{-1}
The Force:	2.1×10^3

MATHS TOP TRUMPS



FETT

Stealth:	2.71×10^{-2}
Power:	7.21×10^3
Speed:	1.76×10^{-4}
The Force:	3.19×10^3

MATHS TOP TRUMPS



HAN SOLO

Stealth:	7.1×10^{-1}
Power:	4.23×10^0
Speed:	3.12×10^3
The Force:	9.15×10^3

MATHS TOP TRUMPS



R2 D2

Stealth:	1.901×10^{-1}
Power:	3.72×10^2
Speed:	1.6×10^{-1}
The Force:	9.61×10^2