

Maths non-negotiables to achieve by the end of each school year

Year 4

- Compare and order 4-digit numbers.
- Count in hundredths
- Know tables up to 12 x 12
- Multiply a whole number by 10 and 100
- Know equivalent fractions for: $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$

Year 5

- Compare, order and recognise the place value of each digit in numbers to 1,000,000
- Count forwards and backwards in steps of powers of 10
- Multiply and divide whole numbers and decimals by 10, 100, 10000
- Mentally double all numbers to 100
- Compare and order fractions whose denominators are all multiples of the same number

Year 6

- Compare, order and recognise the place value of decimals with up to 3 digits
- Double and halve any number, including decimals up to 2 decimal places.
- Know decimal pairs that make 1 and 10.
- Find unknown values in number statements, including balanced equations.
- Compare and order fractions, including >1

Maths websites to work on these skills

Arithmetic games:

- Numbots (using T T Rockstar password): <https://play.numbots.com/#/intro>
- Mymaths has a variety of games and booster packs:
<https://login.mymaths.co.uk/login>
- Number bonds and doubles- <https://www.topmarks.co.uk/maths-games/hit-the-button>
- Doubles- <https://mathsframe.co.uk/en/resources/resource/399/Archery-Arithmetic-Multiplication>
- Doubles- <https://mathsframe.co.uk/en/resources/resource/306/Maths-Fishing-Multiplication>
- Number facts to 20- <https://www.topmarks.co.uk/Flash.aspx?f=MagicSquares>
- Number facts to 20-
<http://www.primarygames.co.uk/pg2/powerlines/powerlines1.html>
- Variety of games-
http://www.bbc.co.uk/bitesize/ks2/games/gut_instinct/maths/
- Also look on the class webpage for worksheets to print out

Multiplication and division games:

- <https://ttrockstars.com/login>
- <https://mathsframe.co.uk/en/resources/resource/318/Tommys-Trek-Times-Tables>
- <https://www.arcademics.com/games/tractor-multiplication>
- <https://www.timestables.co.uk/>
- <https://www.arcademics.com/games/grand-prix>
- <https://www.multiplication.com/games/play/granny-prix-multiplication>

Multiplication songs:

- BBC Super Movers <https://www.bbc.co.uk/sport/super movers/42612499>
- Mr. DeMaio songs-
https://www.youtube.com/watch?v=9os1VUUp5io&index=2&list=PLb7Q5jsm9e_h_fdPQmVpyp4XRu-raUbHc