



Year 9

Indices and standard form

Laws of indices

$$a^m \times a^n = a^{m+n}$$

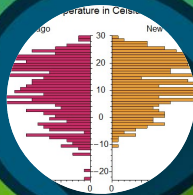
$$a^m \div a^n = a^{m-n}$$

$$(a^m)^n = a^{m \times n}$$

Expressions and formulae

$$\frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

Dealing with data



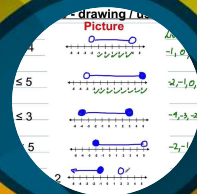
Multiplicative reasoning

$\frac{45x}{1k} = \frac{45000}{1000} = 45$
 $\frac{12.5}{5} = 2.5$
 $\frac{23x}{1s} = \frac{23000}{1000} = 23$
 $\frac{12.5}{5} = 2.5$
 $\frac{12.5}{5} = 2.5$

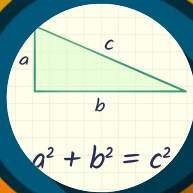
Constructions



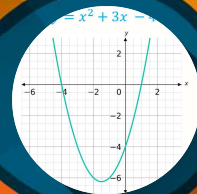
Sequences, inequalities, equations and proportion



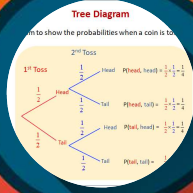
Circles, Pythagoras and prisms



Graphs



Probability and comparing shapes



End of year assessments and consolidation of topics

To GCSE...

