

Numbers, factors, rounding and algebra review

Angles in parallel lines, scale drawings and sequences

$83.2 + 15.4 = 98.6$ 50% 70%
33% 12%

Write $\frac{12}{30}$ in its simplest form...

Basic decimals, fractions and percentages

Connection Finding

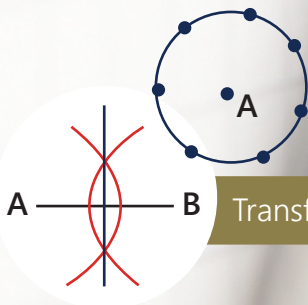
The ability to use connections from past experiences to seek possible generalisations

- Circumference and area
- Basic probability ratio
- Proportion

$a^2 + b^2 = c^2$



Equations scatter graph and Pythagoras



Transformations, constructions and loci



GCSE Maths - Foundation

Years

10 & 11

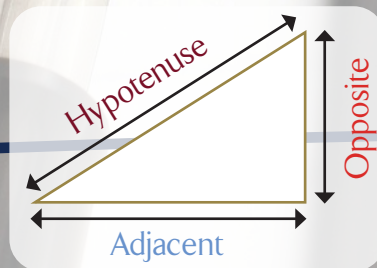


Statistics, polygons and circle theorems

- Number indices
- Standard form algebra
- Sequences measures

- Algebra
- Congruence
- Similarity

An introduction to Trigonometry



- Perimeter and area
- Graphs recap
- Circumference and area



META-THINKING

Strategy planning

The ability to approach new learning experiences by actively attempting to connect it to existing knowledge

$$\begin{aligned}x + 2y &= 6 \\x - 2y &= 2\end{aligned}$$

Simultaneous equations, polygons and inequalities

Impossible

Even chance

Certain



Unlikely

Likely

Caroline Chisholm School



Ambition Confidence Success
Everyone Every Lesson Every Opportunity

Real life graphs and probability

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Data, algebra and graphs

- Proportions
- Volume
- Algebra
- FDP

Realising



- Angles
- Bearings
- Trigonometry
- Growth
- Decay

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

Quadratic equations



Graphs, vectors and probability



CREATING

Intellectual playfulness
The ability to recognise rules and bend them to create valid but new forms



- Recap
- Sequences
- Revision

GCSE Exams:

Students will take 3 GCSE exams at the end of Year 11, including:

- 1 x non-calculator paper - 1h30m - 33.3% worth of final grade
- 2 x calculator paper - 1h30m - each worth 33.3% of final grade