



Subject: Mathematics

Multiples, Factors, Multiplication and Division

In this semester, students will derive and apply formulae to calculate and solve problems involving perimeter and area. They will also be developing skills to use language and properties precisely to analyse 2-D shapes. Students will be improving their mathematical knowledge, in part through solving problems and evaluating the outcomes, but also by attempting multi-step problems.

Key Performance Indicators

Students will be assessed to see if they:

- Multiply and divide multi-digit numbers including decimals Clip N28 and N29
- Find and understand factors and multiples, including LCMs and HCFs Clip N10, N11 and N31
- Understand and apply the formulae for area of a rectangle and triangle Clip G20a and G20c

Suggested Resources

<https://vle.mathswatch.co.uk>

Username and password are personal to each student.

Usernames and passwords should be available on Google Classroom, or ask your teacher.



Subject: Mathematics

Triangles and algebraic manipulation

This semester students will be developing key algebraic skills and attempt to apply them within other areas of Mathematics. They will also be exploring geometry with a greater level of sophistication. Students will be improving their ability to select and use appropriate calculation strategies to solve increasingly complex problems.

Key Performance Indicators

Students will be assessed to see if they:

- Know angle rules to solve geometric problems. Clip G13
- Can use Pythagoras' Theorem to find missing sides. Clip G30
- Can use trigonometrical relationships to find missing sides and angles. Clip G35
- Can use negative numbers with four operations Clip N19
- Are able to simplify expressions by collecting like terms Clip A7
- Are able to expand brackets Clip A8 and A18
- Are able to factorise expressions Clip A9
- Are able to solve linear equations Clip A12 and A19

Suggested Resources

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Subject: Mathematics Foundation

Presenting and interpreting data

In this semester, students will be developing some key skills in statistics. They will be exploring a variety of methods of presenting data, with an emphasis on interpretation as well as construction.

Key Performance Indicators

Students will be assessed to see if they:

- Convert units of measure Clip R2
- Construct and interpret everyday tables and charts Clip N21
- Understand and use measures of time Clip N7b
- Understand and use factors, multiples and primes. Clip N10, N11 and N30a

Suggested Resources

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