

Algebraic Manipulation

Q: Like terms have the same _____ and _____.

A: Variable, Indices

Q: What is the mathematical term for multiply each term inside the bracket by the expression outside the bracket?

A: Expand

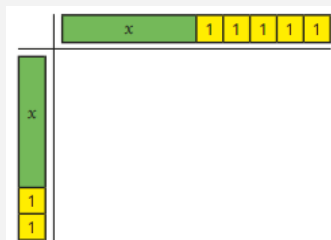
Q: What is the mathematical term for express an algebraic expression as a product of its factors using brackets?

A: Factorise

Q: What is the mathematical name for something involving the second (and no higher) power of a variable or unknown, typically in the form $ax^2 + bx + c$

A: Quadratic

Q: This multiplication grid is supporting me to expand which two brackets?



A: $(x + 5)(x + 2)$

3-D Shapes

Q: The flat or curved surfaces that make up the boundary of the shape...

A: Faces

Q: The line segments where two faces meet are called...

A: Edges

Q: The points where edges meet are called the ...

A: Vertices

Q: How many faces does a cube have?

A: 6

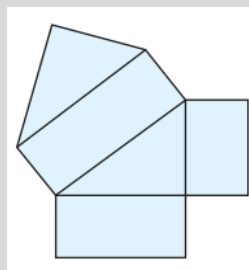
Q: Another word for the plan view of a 3-D shape is ...

A: Birds Eye View

Q: What is the mathematical term for the 2-D layout of a 3-D shape's faces that can be folded to create the 3-D shape?

A: Net

Q: This is the net of what shape?



A: Triangular Prism

Ratio and Proportion

Q: A _____ compares the size of two or more values

A: Ratio

Q: What is the mathematical term for when a relationship or pattern changes at a constant rate?

A: Linear

Q: What is the mathematical term for the relationship between two quantities where they increase or decrease at the same rate?

A: Direct Proportion

Q: What is the mathematical term for the relationship between two quantities where, as one quantity increases at a rate, the other quantity decreases at the same rate?

A: Inverse Proportion

Q: Is below an example of direct proportion or inverse proportion?
'Buying pens in a shop and the cost'

A: Direct Proportion

Q: Is below an example of direct proportion or inverse proportion?
'People building a house and time taken to build a house'

A: Inverse Proportion