WALT substitute values into algebraic expressions and formulas to evaluate them

Success Criteria

- I can identify the variables in an algebraic expression or formula.
- I can substitute known values for the variables in an algebraic expression or formula.
- I can evaluate an algebraic expression or formula after substituting values for the variables.
- I can check my work by verifying that the equation is balanced (i.e., that both sides of the equal sign are equal).

[video on single variable](#)

[Video on two variables](#)

Eg Substitution

$2x + 3 = 2(5) + 3 = 10 + 3 = 13$

Verification or tally

$2(5) + 3 = 13$ $10 + 3 = 13$

Formula: Distance = Speed * Time

Substitution: Speed = 60 mph, Time = 2 hours

Evaluation:

Distance = 60 kmph * 2 hours = 120 KM

Verification - or tally

60 kmph * 2 hours = 120 Kilometres

Simple interest

I = PRT

Principal amount = 2000

Rate = 5%

Time 3 years

Some work for you

[substitution](#)

[Substitution answers](#)