



A strategy for students to apply to numeracy situations



SEE – Observing and collecting (read and listen). Identifying and making some connections. Objective and active.



INVESTIGATE – Recognising order, patterns, connections and trends. Analyse.

- ♦ Look for a pattern
- ♦ Check the validity of the information
- ♦ Simplify the problem
- ♦ Draw a diagram
- ♦ Make a list
- ♦ Guess and check
- ♦ Identify a sub-task
- ♦ Give things names
- ♦ Making assumptions and creating scenarios



MODEL – Synthesising a number based model and coming to a conclusion.

Mathematics can be used to “model” how the real world works, with the use of the different strands of mathematics and numeral processing of information (formulas, algebra etc.)

EXAMPLE

Cathy cycled 60km on Friday. On Saturday she cycled 58km. On Sunday she cycled 9km more than the day before. Altogether how far did she cycle on the weekend?

These two words determine how I am going find my answer and what I need to find my answer

Mathematical Model

$$58 + (58 + 9) = 125 \text{ km}$$

Cathy cycled 125km over the weekend.