

MASTERING QUESTIONS ON WHOLE NUMBERS

Whole Numbers is one of the Math topics with a greater weightage of marks in the examination. Whole Numbers are often inter-related with other topics and the strategies learnt in Whole Numbers can often be applied across different topics. Let's take a closer look at one of the concepts that you can master under Whole Numbers:

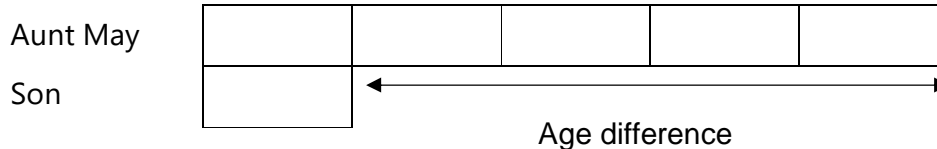
Concept: Constant Difference

Example:

Aunt May is 36 years old and her son is 24 years younger. How many years ago was Aunt May five times as old as her son?



Method 1:



Difference in age $\rightarrow 36 - 12 = 24$ (age difference remains unchanged)

4 u $\rightarrow 24$

1 u $\rightarrow 6$

Aunt May's age when her son was 6 years old $\rightarrow 6 \times 5 = 30$

Number of years ago $\rightarrow 36 - 30 = \underline{6 \text{ years ago}}$

Method 2:

	Aunt May	:	Son	:	Difference
Now	36	:	12	:	24
	3	:	1	:	2
	5	:	1	:	4
Before	5×6	:	1×6	:	4×6
	30	:	6	:	24

Number of years ago $\rightarrow 36 - 12 = \underline{6 \text{ years ago}}$

