

Model Drawing Techniques (Advanced)

Stack models may be illustrated in two ways – vertically and horizontally.

Vertically

Horizontally

4 units

4 units + 4

4 units – 4

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GUIDED EXAMPLE 1

$\frac{3}{10}$ of a number is 121 less than $\frac{2}{3}$ of that number.

What is the number?

GUIDED EXAMPLE 2

Susan spends 40% of her monthly allowance on food.

She spends $\frac{1}{4}$ of the remaining amount on transport, and saves the rest.

- i) What fraction of her monthly allowance does she save?
- ii) If Susan spends \$60 on transport, how much is her monthly allowance?

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GUIDED EXAMPLE 3

Wilson had \$60 more than Alex.

Each spent some of his own money.

The amount that Alex spent was $\frac{2}{3}$ that of Wilson's money while

the amount that Wilson spent was $\frac{1}{6}$ of the total amount of money they had at first.

If they had \$358 left altogether, how much money did Wilson have at first?

(River Valley Pri/P6 Prelim/Q47)

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GUIDED EXAMPLE 4

Sam went shopping at a department store.

He spent $\frac{1}{5}$ of his money on a sofa set and \$800 on a washing machine.

Later, he spent $\frac{1}{8}$ of the remaining amount on a dining table.

If the amount of money left was \$20 more than $\frac{2}{5}$ the amount of money he had at first, how much money did Sam have at first?

(Henry Park Pri Sch/SA2/Q48)