

3 FINDING THE BALANCE

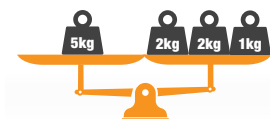
Using **only** these weights, how many ways can you find to make each scale balance?

Use equations to record what you discover.

Example

$$5 \text{ kg} = 2 \text{ kg} + 2 \text{ kg} + 1 \text{ kg}$$

$$5 \text{ kg} = 5 \text{ kg}$$



If I put $2 \text{ kg} + 2 \text{ kg} + 1 \text{ kg}$
on the right side the
scale will balance.
Both sides will weigh 5 kg .



a 8kg _____

b 21kg _____

c 12kg _____

d $4 \frac{1}{2} \text{ kg}$ _____

e 15kg _____

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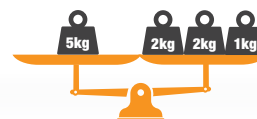
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