**Generating Formulae**

(a) An equilateral triangle has sides of length cm. Write a formula for the perimeter of the triangle.

(b) A helicopter consumes litres of fuel per minute. Write a formula for the total number of litres consumed during a flight lasting 30 minutes.

(c) Each month I pay for my house insurance and for my car insurance. Find a formula for the total amount I spend on house and car insurance per year.

(d) Jo receives £500 for her birthday, which she saves in a bank. She adds £10 per month to her savings. Find a formula for the amount she will have after months of saving.

(e) A rectangle has length and width . Find formulae for the area and the perimeter of the rectangle.

(f) Pencils cost 15p each and pens cost 25p each. Write a formula for the cost of pencils and pens.

(g) My brother is 6 years older than me, and my sister is 3 years younger than me. I am years old. Write a formula for the mean age of me, my brother and my sister.

(h) A rectangle of dimensions cm by cm has a 1 cm square cut from each of its four corners. The sides formed are then folded up to make a rectangular tray. Find a formula for the volume of the tray.

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