

Writing formulae

Write down an algebraic formula for these rules. Use the underlined letters and numbers.

- a. The total raised in a sponsored run at £2 a mile.

$$t = 2m$$

- b. The total length of a 4m car with a boat trailer.

$$t = 4 + b \quad \text{or} \quad t = b + 4$$

- c. The height of a 6 ft post after a piece has been cut off.

$$h = 6 - p$$

- d. The amount each person receives when 4 friends share a prize equally.

$$a = p/4$$

- e. The total cost of some bags of sweets at p pence a bag.

$$t = bp$$

- f. The number in a form when the pupils in year 7 are divided into f forms.

$$n = p/f$$

- g. The length remaining in a ball of string when a piece is cut off.

$$l = b - p$$

- h. The total length of a building plot for a house and a garden.

$$t = h + g \quad \text{or} \quad t = g + h$$