1 Solve each equation. **Show the line where you do the same to both sides.**

(a) $5x - 7 = 28$ (1)

(b) $3n + 11 = 35$ (1)

(c) $4(y - 2) = 24$ (1)

(d) $6(m + 1) = 42$ (1)

(4 marks)

2 Write an equation for each and solve it. **Say what your letter stands for and answer the question asked.**

(a) Okello had some goats. He sold 12 and has 27 left. How many did he have? (2)

(b) A rope is cut into 8 equal pieces each 45 cm long. How long was the rope? (2)

(6 marks)

3 A boda charges $C = 700d + 1800$ shillings for d kilometres.

(a) Find the fare for 9 km (1)

(b) A fare was $6{,}000$ shillings. Find the distance (2)

(c) Write down the two operations you used in (b), and in which order (2)

(4 marks)

4 Aminah is x years old. Her brother is 7 years older. Their ages add to 35.

(a) Write an expression for her brother's age (1)

(b) Write an equation for the total and simplify it (2)

(c) Solve it and give both ages (2)

(5 marks)

5 Here is $10x + 15$.

(a) Factorise it fully (1)

(b) Find its value when $x = 6$ (1)

(c) Solve $10x + 15 = 85$ (1)

(3 marks)