Show the line where you do the same thing to both sides, and check every answer.

1 Solve each equation.

(a) $2x + 3 = 11$ (1)

(b) $3y + 5 = 20$ (1)

(c) $4n - 7 = 13$ (1)

(d) $5m - 2 = 33$ (1)

(4 marks)

2 Solve each equation.

(a) $6x + 1 = 25$ (1)

(b) $2a - 9 = 11$ (1)

(c) $7 + 3k = 28$ (1)

(d) $20 - 2p = 8$ (1)

(4 marks)

3 Solve each equation.

(a) $\frac{x}{2} + 5 = 9$ (1)

(b) $\frac{n}{3} - 4 = 2$ (1)

(c) $\frac{y}{5} + 1 = 7$ (1)

(3 marks)

4 Write an equation for each situation and solve it. **Name your letter first.**

(a) Carlos had some money. After earning $150{,}000$ shillings he has $325{,}000$. How much did he have at first? (2)

(b) A bakery made some rolls. 156 were sold and 87 were left. How many were made? (2)

(6 marks)

5 Write an equation for each situation and solve it.

(a) A blue ribbon is twice as long as a red ribbon. The blue ribbon is 128 cm. How long is the red ribbon? (2)

(b) Rebecca read five times as many pages this week as last week. She read 135 pages this week. How many last week? (2)

(6 marks)

6 Three pupils solved $3x + 4 = 19$. Aida wrote $x = 5$, Bosco wrote $x = 7\frac{2}{3}$ and Cissy wrote $x = 15$.

(a) Substitute each answer into the equation to find who is right (2)

(b) Bosco divided by 3 at the wrong moment. Write down what he did (2)

(5 marks)