Problem A

Car A and Car B travel along the same route. They start at the same time. They finish the journey at the same time. The total journey takes 8 hours. Car A travels at 60mph for the first 3 hours and at 40mph for the rest of the time. Car B travels twice as fast for the first 2 hours as it does for the remaining time. How fast does car B travel during the **first 2 hours** of the journey?

Problem B

A box has vertical sides. The top and bottom of the box are squares. The vertical sides are rectangles. The volume of the box is 20 cubic meters. Express the **total surface area** of the box in terms of the **length of one side of the base** of the box.