## Percentage Problem

179 adults, 33 girls and 48 boys are members of a tennis club. 40 more children join the club. The total number of boys is now $23 \%$ of the total number of members. How many of the 50 children were girls?


## Percentage Problem

A rectangle has dimensions $x \mathrm{~mm}$ and y mm .
$x$ is increased by $20 \%$,
$y$ is decreased by $5 \%$
Work out the percentage change in the area of the rectangle.

## Percentage of an Amount

 A market stall buys 150 bags for $£ 5.60$ each. The store sells $45 \%$ of the bags for $£ 9.50$ each. The remaining bags are later sold at a reduced price of f5 each.How much profit or loss did the stall make?

## Percentage of an Amount

A spa has three different treatment packages; bronze, silver and gold. A spa has 485 customers one week. $30 \%$ select the bronze package. $46 \%$ select the silver package.
Calculate the number of customers who selected the gold package.
b) After how many complete years ( $y$ ) will the ice sheets depth be below 4.7 km .

Growth and Decay


