Revision (Percentages & Costing)

1. A manufacturer sells a table to a shop at a profit of 25%. The shop sells the table to a customer at a profit of 15%. If the customer paid €115.00 for the table, calculate how much the table cost the manufacturer to make.
2. A works manager estimates that for every €1.00 that is spent on materials the company needs €1.50 for labour and 50c for overheads.
   Calculate the amount of labour on a job where the total cost is €150,000.
3. A manufacturer sells a table to a shop at a profit of 10%. The shop sells the table to a customer at a profit of 20%. If the customer paid €66.00 for the table, calculate how much the table cost the manufacturer to make.
4. A works manager estimates that for every €1.25 that is spent on materials the company needs €1.75 for labour and 75c for overheads.
   Calculate the amount of overheads on a job where the total cost is €180,000.
5. A manufacturer sells a table to a shop at a profit of 12.5%. The shop sells the table to a customer at a profit of 17.5%. If the customer paid €264.38 for the table, calculate how much the table cost the manufacturer to make.
6. A works manager estimates that for every €1.00 that is spent on materials the company needs €2.50 for labour and 25c for overheads.
   Calculate the amount of labour on a job where the total cost is €75,000.

Revision (Percentages & Costing) – Answers

1. €115.00 / 1.15 = € 100.00, €100.00 / 1.25 = **€ 80.00**
2. €1.50 : €1.00 : €0.50 = 150 : 100 : 50 parts = 300 parts total

   €150,000 / 300 = €500 * 150 parts = **€ 75,000 for labour**
3. €66.00 / 1.2 = € 55.00, €55.00 / 1.10 = **€ 50.00**
4. €1.75 : €1.25 : €0.75 = 175 : 125 : 75 parts = 375 parts total

   €180,000 / 375 = €480 * 75 parts = **€ 36,000 for overheads**
5. €264.38 / 1.175 = € 225.00, €225.00 / 1.125 = **€ 200.00**
6. €2.50 : €1.00 : €0.25 = 250 : 100 : 25 parts = 375 parts total

   €75,000 / 375 = €200 * 250 parts = **€ 50,000 for labour**