

Percentage Questions

Worksheet 1

Note: Calculate the answers in the order in which they are asked and make sure to answer 2-part questions fully.

- Q1.** A floor area 25m^2 is to be covered in tiles costing €42 per m^2 allow 20% for waste. How much will the customer save if they wait to buy the tiles during the sales when there will be 25% off.
- Q2.** Calculate the cost of making 20 Lockers at a material cost of €32 per locker. Allow profit at 28%. Add Vat @ 21% and a cash discount of 2.5%.
- Q3.** A builder buys 6 job lots of handles for €105 which he then separates into 20 lots and sells for €35 plus vat @21% each. How much does he sell all the handles for? How much profit does he make in total?
- Q4.** A Building merchant quotes €1876.23ex vat for building material. What amount is payable when 21% VAT is added. A discount of 5% is offered if the builder pays by the end of the following month. How much will he save if he can pay his bill by that time?
- Q5.** Calculate the cost of sheeting an area measuring $6.8\text{m} \times 5.5\text{m}$ with T &G sheeting. Allow 15% for cutting waste. The boards are $2.45\text{m} \times 70\text{mm}$ and cost €20.75 for a bundle of 10.
- Q6.** A job costing a total of €3500 can be broken down into the following fractions of the overall cost. Calculate the individual amounts for each:
- | | |
|-----------|------|
| Materials | 2/5 |
| Labour | 3/10 |
| VAT | 1/5 |
| Profit | 1/10 |
- Q7.** An area 40m^2 is to be covered with 100mm wide boards. The boards are 2.5m long and cost €15.75 for a bundle of 12. Allow 15% for cutting waste. Calculate the cost of the flooring.
- Q8.** A job costs a total of €7550
Give the breakdown costs for each:
- | | |
|-----------|-----|
| Materials | 29% |
| Labour | 57% |
| Tool hire | 14% |

Answers can be found in the Presentation Percentages 1