

ACTIVITY 1

1 Calculate the SP

1.1 Goods cost R500, profit mark-up is 25% on cost

$$\frac{25}{100} \times \frac{500}{1} = R125 \quad \text{OR} \quad \frac{125}{100} \times \frac{500}{1} = R625$$

Therefore SP

$$R500 + R125 = R625$$

1.2 Goods cost R1 200. Mark-up is 40% on cost.

$$\frac{140}{100} \times \frac{1200}{1} = R1\ 680$$

2 Calculate the CP

2.1 Selling price is R700, profit mark-up is 40% on cost.

$$\frac{100}{140} \times \frac{700}{1}$$

(100+40)
CP = R500

2.2 Selling price is R1 000, mark-up is 100% on cost.

$$\frac{100}{200} \times \frac{1000}{1}$$

(100+100)
CP = R500

3 Calculate the profit mark-up percentage

3.1 Cost price is R300, selling price is R400.

$$\frac{\text{Profit}}{\text{CP}} \times \frac{1000}{1} = \frac{400 - 300}{300} \times \frac{100}{1}$$

$$\text{MU\%} = 33,33\%$$

3.2 Cost price is R500, selling price is R1 000.

$$\frac{1000 - 500}{500} \times \frac{100}{1}$$

$$\text{MU\%} = 100\%$$

ACTIVITY 2

2.1 If a retailer buys goods for R480 and sells them at a profit mark-up of 60% on cost price, calculate the selling price.

$$\text{SP} = \frac{160}{100} \times \frac{480}{1} = R768$$

2.2 If goods are sold for R3 400 and the business sells them at a profit mark-up of 70% on cost price, calculate the original amount the retailer paid for the goods.

$$CP = \frac{100}{170} \times \frac{3400}{1} = R2000$$

2.3 Calculate the profit if the retailer buys goods for R150 and sells them at a profit mark-up of 50% on cost price.

$$MU = \frac{50}{100} \times \frac{150}{1} = R75$$

2.4 Calculate the profit mark-up if goods with a cost price of R630 are sold for R1 260.

$$1260 - 630 = 630$$

$$\frac{630}{630} \times \frac{100}{1}$$

$$MU\% = 100\%$$

2.5 A retailer buys goods for R180 and sells them at a profit mark-up of 50% on cost price. If he sells the goods less 10% cash discount, calculate the amount of profit.

$$SP = \frac{150}{100} \times \frac{180}{1} = R270$$

$$\text{Discount} = \frac{270}{1} \times \frac{10}{100} = 27$$

Therefore SP = R270 - 27 = R243 and Profit R270 - 243 = R63

ACTIVITY 3

3.1 Calculate the missing amounts:

Cost price	% profit	Selling price
R348,34	Profit 25% CP = 100% SP = 125%	$\frac{100}{125} \times \frac{348,34}{1}$ =R435,43
$\frac{130}{100} \times \frac{590,50}{1}$	Profit 30% CP = 100% SP = 130%	R590,50
R284,20	Profit 45% CP = 100% SP = 145%	$\frac{100}{145} \times \frac{284,20}{1}$ =R412,09

3.2. What is the selling price of an item if the retailer purchased it for R934,20 and adds 65% profit?

$$SP = \frac{165}{100} \times \frac{934,20}{1} = R1541,43$$

3.3 The total of the cash register roll is R2 385. Calculate the cost price if the business sells goods at a profit mark-up of 20%.

$$CP = \frac{100}{120} \times \frac{2385}{1} = R1987,50$$

ACTIVITY 4

Complete the following table. What will the cost price for the following codes be:

KO/AE	BAH/EE	HLOO/EE	LAR/SE	AOR/KE	CCH/AA
R57,30	R136,00	R6277,00	R238,90	R378,50	R446,33

ACTIVITY 5

COST PRICE	MARK UP	COST CODE	SELLING PRICE
R3 600	75%	LWNN	R6 300
R4 750	50%	KASN	R7 125
R1 280	25%	VOGN	R1 600
R5 400	65%	SKNN	R8 910
R3 800	80%	LGNN	R6 840
R15 750	100%	VSASN	R31 500
R45 750	40%	KSASN	R64 050