Percentage Increase & Decrease

Exercise 1 – Non Calculator Questions

1 A lawnmower costing £130 is **reduced** by 50% in a sale.
Calculate the sale price of the lawnmower.

2 A Gamestation costing £120 is in the sale marked "***25% discount***."
Calculate the sale price of the game station.

3 A pair of shoes are **reduced** by 10%.
If the shoes cost £50 full price, how much are they after the discount?

4 Simon has a new bike which should have cost him £350 from the factory. He received a 20% **discount** for taking the shop display bike. How much did Simon pay for the bike?

5 A tourist helicopter ride to the Grand Canyon costs £162. Children under 5 years of age receive a 75% **discount**. How much does it cost for a child under 5 years of age to visit the Grand Canyon?

6 A shampoo bottle usually holds 240ml. In a special offer 25% is **added** to the contents. Calculate the amount of shampoo in the special offer bottle.

7 A cake shop decides to **increase** the weight of each cake by 20%. Each cake used to weigh 1600g. How much does each cake weigh now?

8 A painting costing £320 has its price **raised** by 50%. How much does the painting cost now?

9 A man buys a car at an auction for £2460. He fixes it up and sells it with a price **increase** of 20%. How much does he sell it for?

10 A recipe uses 72g of sugar. Mrs Helder decides to **increase** this amount by 25%. How much sugar does Mrs Helder need?

LIVEWORKSHEETS

Exercise 2

1 Milk costs 80p per litre, but the price is expected to rise shortly by 5%.
What will the new cost of a litre of milk be?

2 Johnny takes the local bus to school. His return fare is £1·50 per day.
The bus company decides to increase all their fares by 20%.
What will Johnny's new return fare be?

3 In a sale a pair of shoes, normally priced at £47·52, are reduced by 25%,
What is the sale price of the shoes?

4 The average attendance at a football stadium last season was 48000.
This season it has dropped by 15%.
What is the average attendance at the stadium this season?

5 Farmer Yates had 60 cattle, but due to an outbreak of sickness he lost 85% of his herd. How many cattle does he still have left?

Exercise 3 – Calculator Questions

1 Calculate the sale price of the following items with the **reductions** stated:

	ITEM	NORMAL PRICE	DISCOUNT
(a)	T.V	£350	15%
(b)	D.V.D Player	£260	65%
(c)	Hi-Fi System	£850	30%
(d)	Shirt	£35	45%
(e)	Ornament	£15·80	25%
(f)	Table	£840	15%
(g)	Carpet	£688	14%
(h)	Fitted Kitchen	£5,800	24%
(i)	Magazine	£1·40	20%
(j)	Bag of sweets	£1·15	60%
(k)	Shoes	£52	5%

LIVEWORKSHEETS