

The skills in this series of exercises appear frequently.

These are the GIFTS you must take to succeed.



## Numeracy Unit

### Exercise 4

#### Appreciation and Depreciation (Calculator)

Calculate:

1. £400 appreciating at 2.8% p.a. for 3 years.
2. £3500 depreciating by 13.4% p.a. for 4 years.
3. 15km increasing by 8% per week for 6 weeks.
4. 384 litres decreasing at 7.5% per month for 3 months.
5. £5040 increasing by 5.6% per year for 4 years.
6. 400mg depreciating by 24% per hour for 3 hours.
7. 720ml decreasing by 9.2% per hour for 4 hours.
8. £260,500 appreciating by 3.7% p.a. for 5 years.
9. 550 pupils on a school roll increasing by 3% per year for 4 years.
10. £499 depreciating by 4.6% per year for 3 years.

#### Applying Questions



1. The iPhone 16 released in September 2024, costing £799.

It will depreciate by 4% in its first month after unboxing and 6% each month afterwards.

Calculate the value of the iPhone after 3 months.

Give your answer to 3 significant figures.

2. A classic car is valued at £37000 in 2024.

It is estimated to depreciate by 2.7% in the first year after purchase and appreciate by 4.5% each year thereafter.

Calculate the estimated value of the car in 2028.

Give your answer to 2 significant figures.