

N5 - Applications

Worksheet 3

Silver Level

Outcome 1 - Calculating an Original Quantity

Calculate the following original amounts...

1 10% decrease
Cost = £5040
Original Price?

2 25% decrease
Cost = £6750
Original Price?



3 60% decrease
Speed = 36 m.p.h.
Original Speed?



4 6% decrease
Weight = 564 g
Original Weight?



5 15% decrease
Length = 136 cm
Original Length?



6 70% decrease
Area = 276 m²
Original Area?



Outcome 2 - Appreciation

Calculate the following after appreciation...

1 5.5% increase p.a.
Amount = £6000
Amount after 3 years?

2 8.24% increase p.a.
Value = £300
Value after 4 years?

3 4.9% increase p.a.
Population = 50 000
Population after 2 years?



4 3.19% increase p.a.
Cost = £800
Cost after 5 years?



5 6.4% increase per hour
Temperature = 15°C
Temperature after 2 hours?

6 7.7% increase p.a.
Value = £12 000
Value after 3 years?



Outcome 3 - Depreciation

Calculate the following after depreciation...

1 8.7% decrease p.a.
Amount = £5000
Amount after 2 years?

2 6.2% decrease p.a.
Value = £800
Value after 3 years?



3 7.03% decrease p.a.
Population = 14 000
Population after 5 years?



4 6.29% decrease p.a.
Cost = £7000
Cost after 4 years?

