

Annuities or Reversions

Case 3. To find the present worth of Annuities Divide Leases &c taken in Reversions at Compound Interest.

Examples

What is the present worth of the yearly rent which is not to commence until 10 years hence & then to continue 7 years after that time at 6 per cent

10477 260
7360 087
3117 173
1338 5865
2152 0311
2337 81415
1575 95002
801 4000

What is the present worth of the reversion of a lease of 60 per annum to continue 30 years but not to commence till the end of 8 years allowing 6 per cent to the purchaser

13406164
6209794
7246379
431782200

Case 5
To find the present worth of a Freehold Estate in Reversion at Compound Interest

Examples

Suppose an estate of 90 dols per annum to commence 10 years hence, more to be said allowing the purchaser 6 per cent what is the worth

6::100::90 73600 870
69000 662407830
1500 000000
662407830
837572170

Which is the most advantageous a term of 15 years in an estate of 100 per annum or the reversion of such an estate forever after the said 15 years computing at the rate of 5 per cent per annum compound interest

5::100::100 10379658
511000 9620342
2000 7593160
186320
2000 10000
10379658 75849
9620342 23360

A Collection of Questions &c Exercise The foregoing Rules

The third part of an army was killed the fourth part taken prisoners & fled how many were in this army how many killed & how many captives

24 36 990 985 990 985 990 985
1000 1000
1014 10214
990 36 985 985 985 985 985
9126 91890 91890 91890 91890 91890
998790 1010790 1010790 1010790 1010790 1010790
5 12000 5 4000 5 3000 5 3000 5 3000
2400 800 600

Thomas sold 100 fine apples at 33 pence a piece & received as much money as Harry received for a certain number of warter mellons which he sold at 25 cts a piece how much money did each receive & how many mellons had Harry

150 33 25::1::50-00
4500 25 5000 200
5000 500

Said John to Dick my purs I money are worth 9-25 but the money is worth five times as much the purs I dem and how much money was in it

9-25 9-25
26 182 7 5-15 And

A young man received 210 which was 2/3 of his eldest brothers portion now three times the elder brothers portion was half the fathers estate what was the value of the estate

210
105
315
743
1890