Questions for Exercise

Bought 27 pieces of Nankeen each 11½ yards at 14s 4d 3q a piece which were sold at 18d a yd required the prime cost what it sold for & the gain

piece S D q pieces
1 :: 14-4-3 :: 27
12 / 172 / 4 / 691 / 27 / 4830 / 1382 / 4 | 18630 / 12 | 4657-2 / 20 | 388-1 / 19-8-1-¾

27 yds / 13-2 / 297 / yd D
1 :: 18 :: 310-2 / 4 / 1242 / 18 / 9936 / 1242 / 4 | 22356 / 12 | 5589 / 20 | 465-9
Prime cost 23-5-9
Sold for 19-8-1-2
Gain 3-17-7-¾

If to my age there added be
One half one third and three times three
Six score and ten the sum will be
What is my age pray shew it me.

12 / 6 / 4 / 9 / 31 / 130 / 99
24 / 12 / 8 / 9 / 53 / 130 / 77
12 / 77 / 84 / 84 / 924
24 / 99 / 216 / 216 / 2376 / 924
22 | 1452 / 132 / 132 / 132 — 66 Ans

A gentleman divided his fortune among his three sons giving A 7£ as often as B 3£ to C but 3£ as often as B 7£ & yet C's dividend 2384£ what did the whole estate amount to

£ £ £
3 :: 2384 :: 7
3 | 18088
3 :: 6029-6-8 :: 9
9
3 | 54264-0-0
18088-0-0 [10853-16-0]
6029-6-8
2384-0-0
19466-2-8 Ans

A gentleman left his son a fortune ⅓ of which he spent in three months 3/7 of the remainder lasted him 10 months longer when he had only 2324 dollars left pray what did his father bequeath him

2800 / 700 / 2100 / 3 / 7 | 6300 / 900 / 700 / 2324 / 4124 / 3800 / 1324
3600 / 1400 / 4200 / 3 / 7 | 12600 / 1800 / 1400 / 2324 / 3724 / 3600 / 124
2800 / 124 / 11200 / 5600 / 2800 / 347200
3600 / 1324 / 22400 / 11200 / 16800 / 3600 / 7414400 / 347200
1200 | 7067200 / 5889.33

Questions for Exercise

There is a certain number which being divided by 7 the quotient resulting multiplyed by 3 that product divided by 5 from the quotient 20 being subtracted & 30 added to the remainder the half sum shall make 65 can you tell me the number

7 | 2100 / 300 / 3 / 5 | 900 / 180 / 20 / 160 / 30 / 190 / 130 / 60
7 | 2800 / 400 / 3 / 5 | 1200 / 240 / 20 / 220 / 30 / 250 / 130 / 120
65 / 130
2100 / 120 / 252000 / 168000
60 | 84000 / 1400
2800 / 60 / 168000

There are three numbers 23. 25 and 42 what is the difference between the sum of the squares of the first & last & the cube of the middle most

23 / 23 / 69 / 46 / 529
42 / 42 / 84 / 168 / 1764 / 529 / 2293
25 / 25 / 125 / 50 / 625 / 25 / 3125 / 1250 / 15625 / 2293 / 13332

Part 1200 acres of land among A. B and C so that B may have 100 more than A and C 64 more than B

200 / 300 / 364 / 864 / 1200 / 336
300 / 400 / 464 / 1164 / 1200 / 36
200 / 36 / 1200 / 600 / 7200
300 / 336 / 1800 / 900 / 900 / 100800 / 7200
300 | 936.00 / 312

336 36
300 / 36 / 1800 / 900 / 10800
400 / 336 / 2400 / 1200 / 1200 / 134400 / 10800
3.00 | 1236.00 / 412

336 36
364 / 36 / 2184 / 1092 / 13104
464 / 336 / 2784 / 1392 / 1392 / 155904 / 13104
3.00 | 142800 / 476

A lets B have a hogshead of sugar of 18 cwt worth 5 dollars for 7 dollars the cwt ⅓ of which he is to pay in cash B hath paper worth 2 dols per ream which he gives A for the rest of his sugar at 2½ per ream Which gained most by the bargain

18 / 5 / 90
18 / 7 / 126 / 90 / 36 / 16.80 / 19.20 Ans
⅓ | 126 / 42
126 / 42 / 84
D Cts
2½ :: 84.00 :: 1
2 / 5
8400 / 16.80