

72. Datis igitur extremis & ratione communi; $A, V, R,$
habetur terminorum omnium summa S . Nempe $S = \frac{VR - A}{R - 1}$.

per Prop. 68. vel 71.

73. Idem habetur, si, pro extremis $A, V,$ darentur $A, V,$
Nempe $S = \frac{A)VAR - A}{R - 1}$. Nam $A)V = V$.

74. Vel $A, \frac{V}{A}$: Nempe $S = \frac{\frac{V}{A}AR - A}{R - 1}$. Nam $\frac{V}{A}A = V$.

75. Vel V, V, A . Nempe $S = \frac{VR - V)V}{R - 1}$. Nam $V)V = A$.

76. Vel $V, \frac{V}{A}$. Nempe $S = \frac{VR - \frac{V}{A})V}{R - 1}$. Nam $\frac{V}{A})V = A$.

77. Vel denique $V, \frac{V}{A}$. Nempe $S = \frac{R\sqrt{\frac{V}{A}}V - \sqrt{\frac{V}{A})V}{R - 1}$.

Nam $\frac{V}{A}V = V^2$. Et $\frac{V}{A})V = A^2$.

78. Et, datis extremis, cum terminorum omnium summa;
 A, V, S ; habetur communis ratio. R . Nam per Prop. 68, vel

72. $S = \frac{VR - A}{R - 1}$. hoc est, $SR - S = VR - A$; adeoque

$SR - VR = S - A$, & $\frac{S - A}{S - V} = R$. Vel brevius; per Prop 70:

$$\frac{S - A}{S - V} = \frac{B}{A} = \frac{R}{1} = R.$$

79. Idem habetur, si, pro $A, V,$ darentur A, V Nempe
 $R = \frac{S - A}{S - A)V}$.

80. Vel, $A, \frac{V}{A}$. Nempe $R = \frac{S - A}{S - \frac{V}{A}A}$.

81. Vel V, V, A . Nempe $R = \frac{S - V)V}{S - V}$.

82. Vel, $V, \frac{V}{A}$. Nempe $R = \frac{S - \frac{V}{A})V}{S - V}$.

83. Vel denique, $V, \frac{V}{A}$. Nempe $R = \frac{S - \sqrt{\frac{V}{A})V}}{S - \sqrt{\frac{V}{A}V}}$.