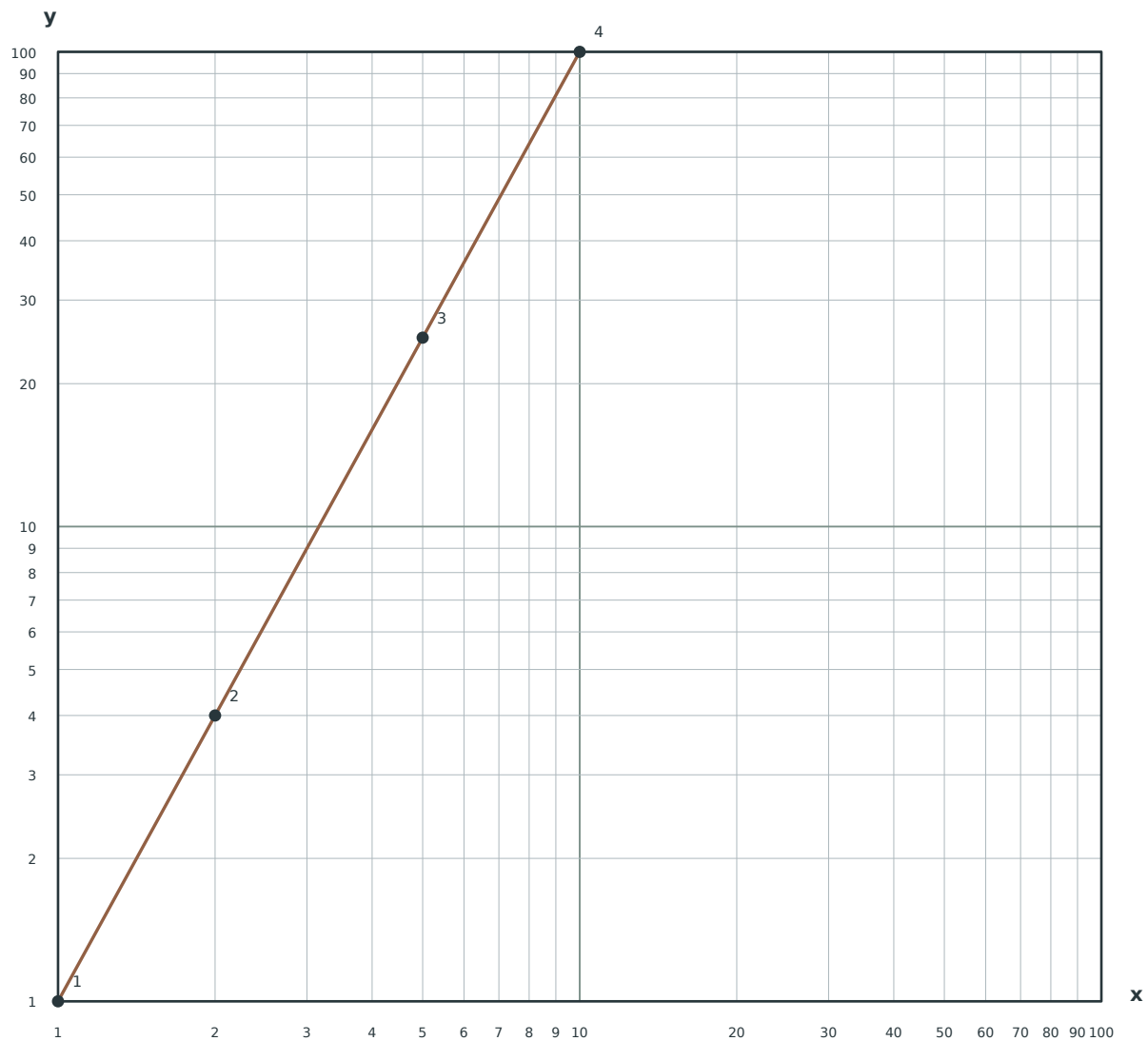


Log-log plotting: LL01

Synthetic pairs (x,y): (1,1); (2,4); (5,25); (10,100). Find the power exponent n and coefficient A in $y=A*x^n$. Predict y at x=3.

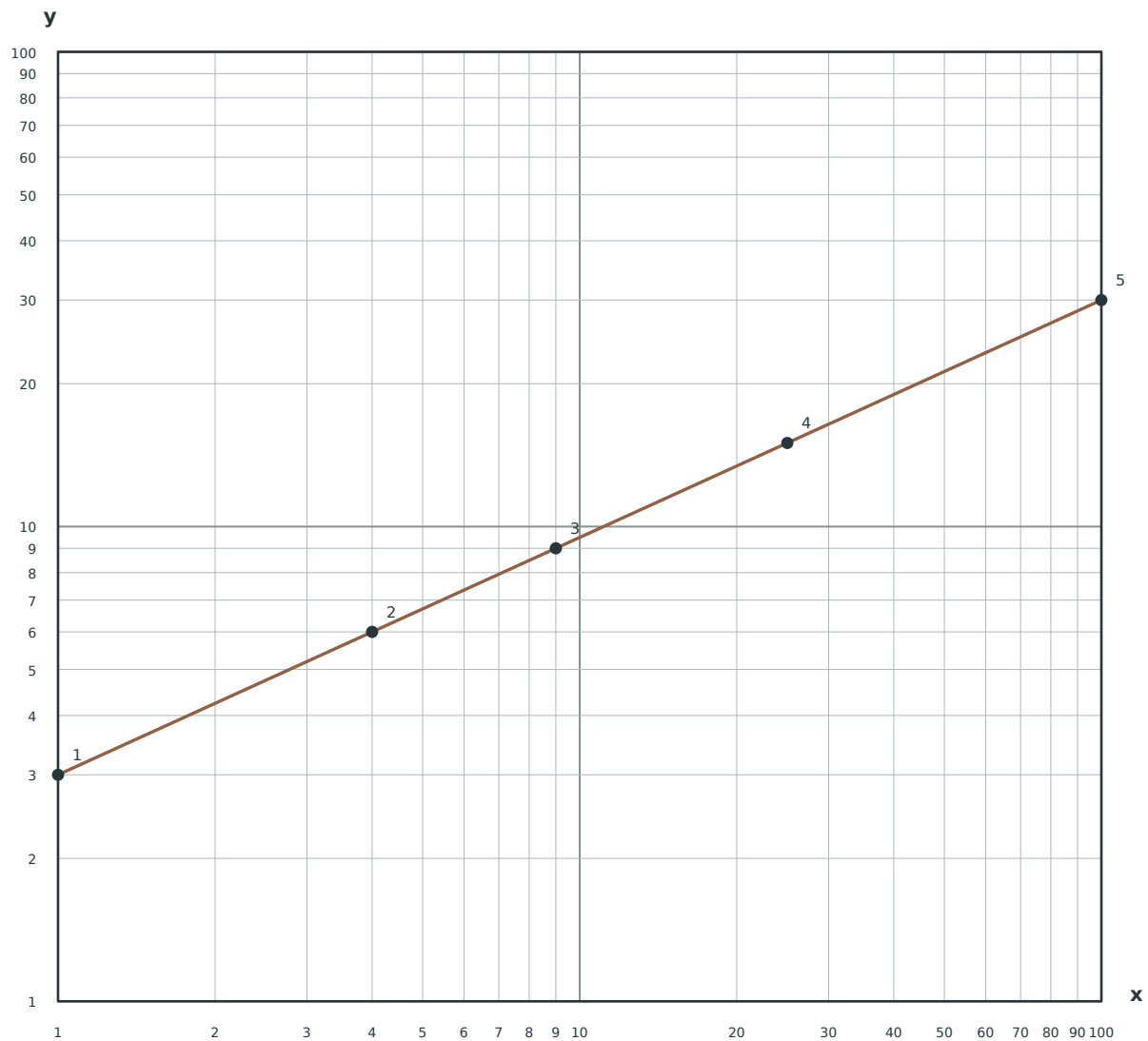


$n=2$; $A=1$; $y=x^2$; $y(3)=9$. Slope uses $\log(y)/\log(x)$, not millimetres.

Use the stated numerical pairs; no ruler measurement or real experiment is required. Log inputs must be positive.

Log-log plotting: LL02

Synthetic pairs (x,y): (1,3); (4,6); (9,9); (25,15); (100,30). Find n and A in $y=A*x^n$. Predict y at x=16.



$n=0.5$; $A=3$; $y=3*\sqrt{x}$; $y(16)=12$.

Use the stated numerical pairs; no ruler measurement or real experiment is required. Log inputs must be positive.