

Solutions

2.1 Substitute $L=6$: $C=18$.

2.2 Substitute $w=4$: $t=24/4=6$ hours.

2.3 Multiply: $w \times (24/w)=24$ for $w \neq 0$.

3.1 False. $y=2x+3$ is straight but does not pass through the origin: $y(0)=3$. Direct proportion requires $y=kx$ and a constant quotient for nonzero x .

Local review guidance: show the chosen method; give the checked result; explain the condition or failed shortcut. This is authored classroom guidance.