16 A hot liquid initially cools at a rate of 1.5 K per minute until it reaches its freezing point. The temperature then remains constant for 30 min as all of the liquid solidifies.

What is the ratio of the specific heat capacity of the liquid to its specific latent heat of fusion?

A $\frac{1}{45}$ **B** $\frac{1}{20}$ **C** 20 **D** 45