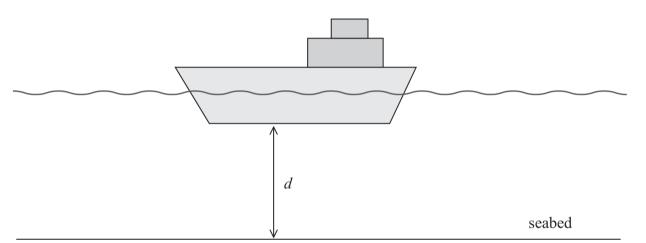
A pulse of ultrasound is emitted from the bottom of a boat. The ultrasound reflects from the seabed and is detected at the bottom of the boat after time *t*. The depth *d* of water under the boat is shown.



The ultrasound has a frequency f and travels at a speed v in the seawater.

Which of the following can be used to calculate *d*?

$$\triangle$$
 A $d = vt$

$$\blacksquare$$
 B $d = \frac{v}{f}$

$$\square$$
 C $d = \frac{vt}{2}$

$$\square$$
 D $d = \frac{v}{2t}$