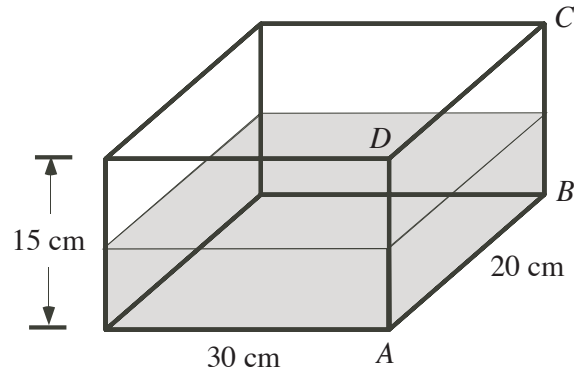




Problem of the Week Grade 9 and 10

Tilted Tank



An aquarium is 20 cm wide, 30 cm long, and 15 cm high. The aquarium is tilted along AB until the water completely covers the end $ABCD$. At this point, it also covers $\frac{4}{5}$ of the base.

Determine the depth of the water, in centimetres, when the aquarium is level.

