

# Corbett's Conundrums

28<sup>th</sup> March

A tank can be filled by three pipes.

Pipe A can fill the tank in 16 hours.

Pipe B can fill the tank in 12 hours.

Pipe C can fill the tank in 8 hours.

How long will it take to fill the tank when all three pipes are turned on but at the same time it is being drained by a pipe that can empty it in 6 hours?

