Pascal's law

Worksheet 3 Teacher's notes

1. Pascal's law was formulated by Blaise Pascal to describe the effects of pressure within liquids.
2. The law states that the pressure exerted anywhere in a mass of confined liquid is transmitted undiminished in all directions throughout the liquid.
3. We know that a car slows down and stops when we apply brakes
4. The basic idea behind any hydraulic system is very simple. The force applied at one point is transmitted to another point incompressible fluid.
5. Two pistons are fitted into two glass cylinders filled with oil .
6. If you apply a downward force on one of the pistons then the force is transmitted to the second piston through the oil in the pipe.
7. When the brakes are applied the foot pedal is pushed due to which pressure has exerted on the fluid in the master cylinder
8. Hope you will remember this the next time you see a driver applying brakes.