a) A water tank is empty. Anil needs to fill the tank with 2500 litres of water. Company A supplies water at a rate of 5 litres in 1 minute and 20 seconds. Company B supplies water at a rate of 1.2 gallons per minute. 1 gallon = 4.54 litres. Company A would take more time to fill the tank than Company B would take to fill the tank. How much more time? Give your answer in minutes, correct to the nearest minute.	a) A water tank is empty. Anil needs to fill the tank with 2500 litres of water. Company A supplies water at a rate of 5 litres in 1 minute and 20 seconds. Company B supplies water at a rate of 1.2 gallons per minute. 1 gallon = 4.54 litres. Company A would take more time to fill the tank than Company B would take to fill the tank. How much more time? Give your answer in minutes, correct to the nearest minute.
b) Jamie wants their garden path re-laying. The path is 35m long. Company A can lay a path at a rate of 1.2m per hour. Company B can lay 1 foot of path in 30 minutes. 1 metre = 3.28 feet. Company A would take less time to lay the path than Company B would take to lay the path. How much less time? Give your answer in minutes, correct to the nearest minute.	b) Jamie wants their garden path re-laying. The path is 35m long. Company A can lay a path at a rate of 1.2m per hour. Company B can lay 1 foot of path in 30 minutes. 1 metre = 3.28 feet. Company A would take less time to lay the path than Company B would take to lay the path. How much less time? Give your answer in minutes, correct to the nearest minute.
c) A paddling pool is taken from its packet. Sam needs to inflate the pool with 600cm^3 of air. Machine A inflates at a rate of 24cm^3 each minute. Machine B inflates at a rate of 1 cubic inch in 40 seconds. 1 inch = 2.54 cm. Which machine would inflate the paddling pool in the quickest time?	c) A paddling pool is taken from its packet. Sam needs to inflate the pool with 600cm^3 of air. Machine A inflates at a rate of 24cm^3 each minute. Machine B inflates at a rate of 1 cubic inch in 40 seconds. 1 inch = 2.54 cm. Which machine would inflate the paddling pool in the quickest time?