

TASK 5

The Deltic was a revolution in locomotion technology. The diesel engine created electricity which powered electric motors. They were much easier to keep running than shovelling tons of coal into a hot furnace continuously! But were they more efficient?

Work out the logistics below to see which were the most efficient locomotives, the new Deltics or the older steam powered Stanier 5000s.



Compare the figures for each train. Be careful, they each use different units. Can you find some units in common?

STANIER 5000

1 ton = 60 miles
 1 ton = £250
 Average speed = 60 miles per hour
 (stops included)

DELTIC

1 gallon = 1 mile
 1 gallon = £4.45
 Average speed = 90 miles per hour

	Cost for 60 miles	Cost for 180 miles	Cost from London to Edinburgh (360 miles)	Time taken from London to Edinburgh
Stanier 5000				
Deltic				

Which one would you use if you were a railway owner? Why?