

Light Bulb

Think



- What is this?
- What is happening?
- What is making it happen?
- What sound would this make?



Solve



Lucy's dad is buying some light bulbs from the hardware shop. He needs four. The bulbs are priced at £1.89 each, £7.50 for six or £9.60 for a pack of eight. Which would be the best value? How much will he save?

Discover



Fact: Thomas Edison, the American inventor, made the first commercial electric light bulb in 1879. Edison was a remarkable man and by the time of his death at 80 years old, he had 1093 patented inventions to his name.

Question: Many of Edison's inventions are still used and some of them revolutionised the way we lived in the late 19th and early 20th centuries. What can you find out about Edison? How many of his inventions can you find out about? Make a group presentation about the life and work of Thomas Edison.

Discuss



It is obvious that we will run out of fossil fuels at some point in the future and alternatives have been discussed. These alternatives include solar, wind, wave and nuclear energy. Do we know enough about each of these sources of energy? Which seems the best solution from what you know? What are the advantages and disadvantages of each?

Respond



Think of a world without electricity. What would it consist of? How would it change the way you live? Could you survive? How did we all survive for so long without it?

Reimagine



How could you draw electricity? What colours would it be? What would you use?

Light Bulb **Answers**

Which would be the best value?	How much will he save?
<p>Individual bulbs cost £1.89</p> <p>Convert costs into pence:</p> $750 \div 6 = 125 \text{ (£1.25)}$ $960 \div 8 = 120 \text{ (£1.20)}$	<p>Therefore the pack of eight is the best value with a saving of 5p per bulb compared to a pack of four and 69p per bulb if bought originally.</p>