

## Horsepower and Steam

1 In the writer's opinion what was Savery's most interesting long-term contribution.

- A – He made and sold the first steam driven water pump.
- B – He defined and measured the horsepower.
- C – He ran a successful business.
- D – He beat Watt to the idea of a horsepower.

2 In the writers opinion:

- A – Savery was a good writer.
- B – Savery made a lot of money.
- C – Savery started something.
- D – Savery invented a pump.

3 The writer notes that Newcomen's engine was safe. The reason he gives is:

- A – Air pressure is very large.
- B – The engine had no high-pressure steam tanks.
- C – The engine was enormous.
- D – The engine burnt only coal.

4 What was the problem that the writer refers to in the second paragraph on page 2.

- A – Newcomen worked at the University.
- B – Newcomen's engines were overly large.
- C – Watt had no money of his own to make and sell engines.
- D – Newcomen's engines were very inefficient.

5 When compared with a Newcomen engine Watts engines were:

- A – smaller.
- B – cheaper to buy.
- C – cheaper to run.
- D – more durable.

6 The most surprising thing for us about the engine shown in the image on page 2 is:

- A – its horsepower.
- B – its age.
- C – its size.
- D – it had to be rebuilt.

7 The writer feels a personal connection to Watt because:

- A – He has known about him for a long time.
- B – He is a physics teacher.
- C – He was the second person to read one of his books.
- D – He met his great / great / great /great /great grandson.

8 From reading the article how many men might it take to pull a single furrough plough?

- A – two.
- B – ten.
- C – twenty.
- D – more than that.

9 In this sentence ... “Data for a mixed class of M4 students (boys and girls) are shown below.” The writer uses the word “are”. The word in this sentence is:

- A – correct.
- B – better replaced by “is”.
- C – must be replaced by “is”.
- D – none of these. Either “are” or “is “ is correct.

10 The writer has included the footnotes because:

- A – he had a page to fill up.
- B – the illustration is out of copyright.
- C – they show that Savery and Watt were real people.
- D – they show that he (the writer) knows what he is talking about.