

Weigh up your goods on the railway Page 1

The Mansfield and Pinxton Railway wasn't very strong, so its wagons were not very big. The wagons had to be pulled by horses. Work out the following questions assuming that:

- One horse could pull no more than 10 tonnes
- Each empty wagon weighed 1 tonne
- Each wagon could hold no more than 4 tonnes.

A. If someone ordered 12 tonnes of stone to build a house

1. How many wagons would be needed?
2. How heavy would the load be including the wagons?
3. How many horses would be needed to pull this load?

B. If someone ordered 20 tonnes of coal for their factory boiler

1. How many wagons would be needed?
2. How heavy would the load be including the wagons?
3. How many horses would be needed to pull this load?

