- The mass of wheat harvested during each subsequent year is expected to increase by 1.2% per year. (a) Find the total mass of wheat expected to be harvested from 2017 to 2030 inclusive, giving your answer to 3 significant figures. **(2)** 
  - Each year it costs £5.15 per tonne to harvest the first 2000 tonnes of wheat £6.45 per tonne to harvest wheat in excess of 2000 tonnes

There were 2100 tonnes of wheat harvested on a farm during 2017.

8.

(b) Use this information to find the expected cost of harvesting the wheat from 2017 to 2030

inclusive. Give your answer to the nearest £1000.

**(3)** 

(Total for Question 8 is 5 marks)