Practice worksheet | Statistics and data analysis

Percentiles and cumulative frequencies

Name: _____ Date: _____

6 questions | 12 marks

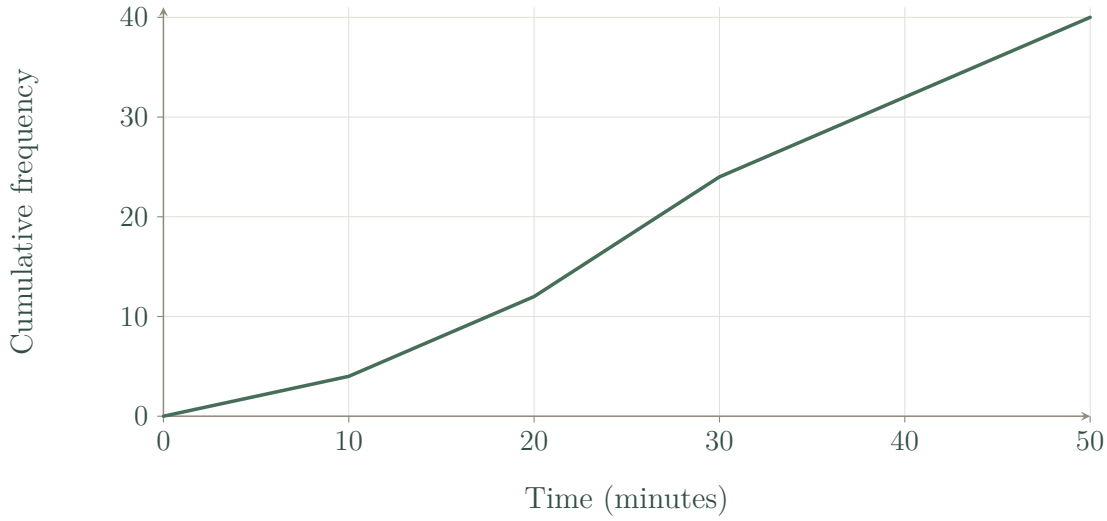
1. Frequencies are 3, 7, 4, 6. Write the cumulative frequencies. [2 marks]

2. Cumulative frequencies are 4, 11, 19, 25. Find the original frequencies. [2 marks]

3. For ordered values 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, find P_{80} by nearest rank. [2 marks]

4. A sample has 60 values. Which rank gives P_{25} under nearest rank? [2 marks]

5. Use the graph to estimate P_{80} for 40 times. [2 marks]



6. A graph puts P_{90} at 45 minutes. Explain this in context. [2 marks]