Practice worksheet | Statistics and data analysis

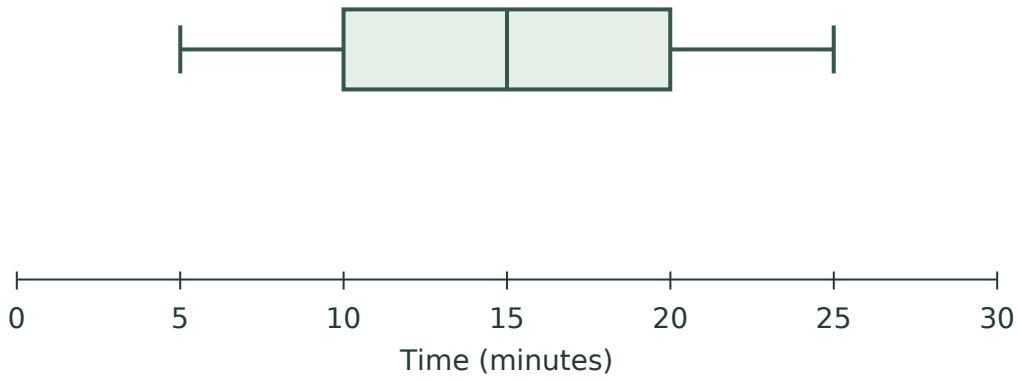
# Interquartile range and box plots

Name: _____ Date: _____

6 questions | 14 marks

**1.** Calculate IQR when Q1=7.5 cm and Q3=12.0 cm. [2 marks]

**2.** State the five-number summary shown. [2 marks]



**3.** Draw a labelled box plot for the summary 2, 5, 8, 11, 15 seconds. [3 marks]

**4.** A: median 20, IQR 6. B: median 24, IQR 4. Compare the typical mass and central spread. [3 marks]

**5.** Can a box plot alone tell you the exact mean? Explain. [2 marks]

**6.** Two plots use horizontal scales 0-20 and 0-100. Why should you redraw them before comparing box widths? [2 marks]