

**Exercise 1**

Calc. : ✖

<p>A company conducts a survey on the mode of transport used and time taken by employees to get to work.</p> <p>The results of the survey are:</p> <ul style="list-style-type: none"><li>• <math>\frac{2}{3}</math> of the employees use a bicycle.</li><li>• The remaining employees use a car.</li><li>• 10% of employees who use a bicycle take longer than 30 minutes.</li><li>• 50% of employees who use a car take longer than 30 minutes.</li></ul> <p>A company employee is selected at random.</p> <p><b>Determine</b> the probability that the employee takes longer than 30 minutes to get to work.</p>	<p>5 marks</p>
--	----------------