

- 1 A ferry to Crete leaves at 07 30.
The journey takes 2 hours and 48 minutes.
Work out the time when the ferry arrives in Crete.

$$\begin{array}{r} 07.30 \\ 02.48 + \\ \hline 09.78 \\ = 10.18 \end{array}$$

Answer 10.18 [1]

- 2 (a) Write the following in order, starting with the smallest.

$$0.43 \quad \frac{4}{9} \quad 41\% \\ = 0.444... = 0.41$$

Answer(a) 41% < 0.43 < $\frac{4}{9}$ [1]

- (b) Only **one** of the following statements is correct.

$$\sin 30^\circ \neq 0.5 \\ = 0.5$$

$$4^2 > 16 \\ = 16$$

$$0.3 < \frac{1}{3} \\ = 0.333...$$

Put a ring around the **correct** statement.

[1]

- 3 In a group of 35 students, 14 go to school by bus.
Write down the probability that a student, chosen at random, does **not** go to school by bus.
Give your answer as a fraction in its lowest terms.

$$\text{Not go to school by bus} = \frac{35-14}{35} = \frac{21}{35}$$

$$\frac{21}{35} = \frac{3}{5}$$

Answer $\frac{3}{5}$ [2]

- 4 Write down the equation of the line, parallel to $y = 4x + 1$, which passes through the point $(0, -3)$.

$$y = mx + c$$

$$y = 4x + 1$$

$$m = 4$$

$$y = mx + c$$

$$(0, -3) \rightarrow -3 = 4(0) + c$$

$$-3 = c$$

$$y = mx + c$$

$$y = 4x - 3$$

Answer $y = 4x - 3$ [2]