

$m_4 = 25$ days to go!

- 9 (a) Find the equation of the line L , which passes through the points $A(4, 0)$ and $B(-2, 3)$.

Answer _____ [3]

- (b) Find the equation of the line which is perpendicular to L and passes through the origin.

Answer _____ [1]

- 2** Bob was given a 3.5% pay rise.
His salary is now £25 378.20
What was his salary before the rise?

- 11** A zoologist is trying to count the number of geese at a local nature reserve. She catches 64 geese and attaches tags to their legs. The next week she catches 80 geese and finds that 7 of them are tagged.

(a) Calculate her estimate of the number of geese on the reserve.

Answer _____ [2]

(b) Give two improvements to her method which would make her estimate more accurate.

1. _____ [1]

2. _____ [1]

(c) Name one factor which would affect her estimate and which she cannot control.

_____ [1]