

# **M4 = 27 days to go!**

2 The test scores for the 10 boys in a class are

7 8 5 8 7 9 4 5 3 9

The mean test score for the 5 girls in the class is 8

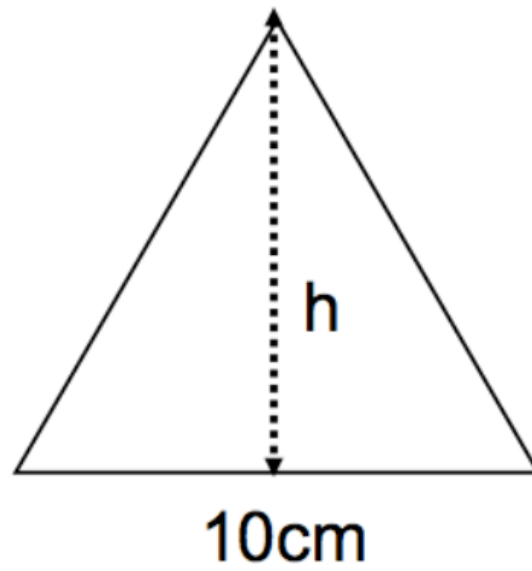
Calculate the mean for this class.

**Show your working clearly.**

12 Find the equation of the line which goes through  $(0, -4)$  and is perpendicular to the line  $2x + 3y = 9$

Answer \_\_\_\_\_ [3]

12. Below is an equilateral triangle



(a) Calculate the height of the triangle.

(b) Calculate the area of the triangle.