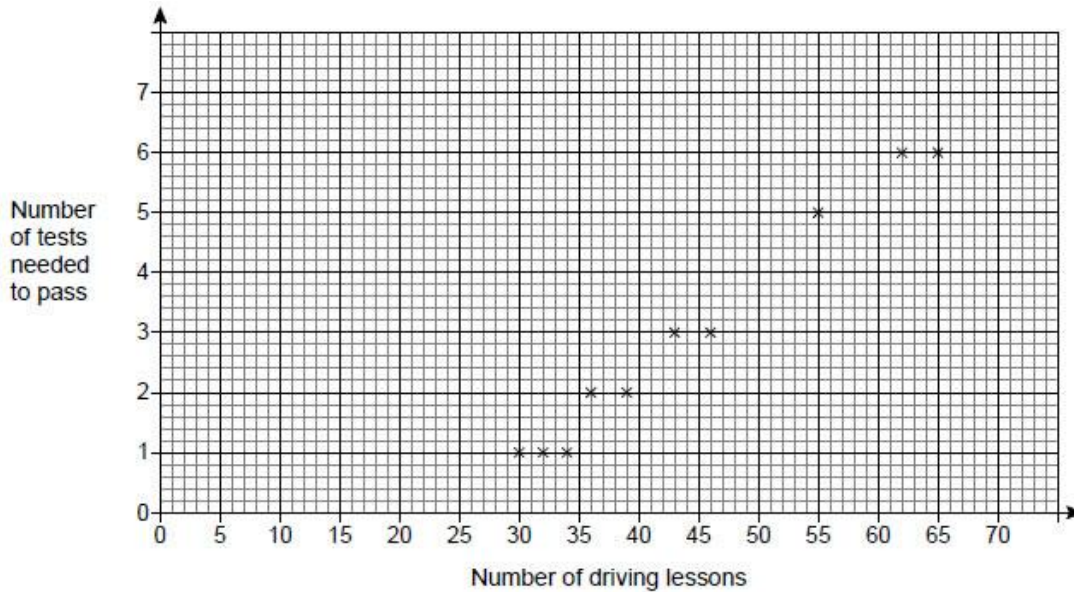Interleaf 7

1)   I buy 83 bags of Haribo for £1.26 each. How much do they cost?

2)   Use the formula $e = mc^2$ to calculate the value of e if m = 8 and c = 3

3)   Find the next two terms in the following sequence: 1,1,2,3,5,8,…

4)   Plot the coordinates (4,0) (6,3) (4,6) and join them in that order. Find a fourth coordinate to make a shape with exactly two lines of symmetry.

5)   A rectangle measures 3.9cm by 0.27cm. Find its area in cm^2

6)   Below is a graph showing the number of driving lessons taken and number of tests needed to pass for 10 teenagers.

Number of driving lessons

a)   Sophie took 65 driving lessons, how many tests did she need to pass.

b)   How many teenagers passed first time?

c)   Describe the relationship between number of driving lessons taken and number of tests needed to pass

7)   Find the sum of the 5th triangular number and the 4th square number.

Answers

1) £104.58   2) 72   3) 13, 21   4) (2,3)   5) 1.053cm^2 6a) 6   b) 3   c) as one increases, the other increases   7) 31