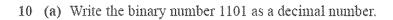
M7 = 11 days to go! 1 0



(b) Write the decimal number 31 as a binary number.

9 Mark writes out the terms of the sequence with n th term rule 3n + 5

Sean writes out the terms of the sequence with n th term rule 5n-3

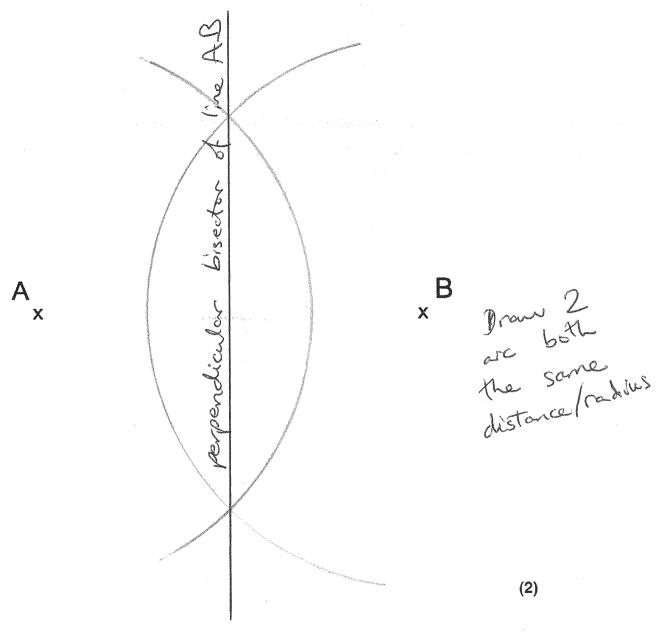
Which term number has the same value for both sequences?

Write as a fraction.

$$5^{-3} = \frac{1}{5^3} = \frac{1}{125}$$

$$\frac{1}{25}$$
(1)

Negative indices are on M7 Fractional indices are on M8 Draw the locus of all points which are equidistant from points A and B.



Alex and Thomas share 30 sweets.

They divide them in the ratio 3:2.

How many sweets does Thomas have?

Thomas has 12