

## Jan 19 1F 3n+1

### Question 8

Caitlin buys some apples and some oranges.  
She buys twice as many apples as oranges.

Each apple costs £0.25  
Each orange costs £0.30

Caitlin has £5 to spend.

Find the greatest number of apples she can buy.

..... apples

### Question 14

All the teachers at a school are either left footed or right footed.  
At the school

the number of left footed teachers:the number of right footed teachers = 3:13

A teacher at the school is picked at random.

Find the probability that this teacher is left footed.

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**(1 mark)**

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### Question 16

Expand and simplify

$$(e + 3)(e - 5)$$

.....

**(2 marks)**

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**Question 17**

Solve

$$y = \frac{2y + 1}{5}$$

.....

**(3 marks)**

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**Question 18**

Solve

$$x^2 + 3x - 18 = 0$$

.....

**(3 marks)**