28th February

519×72

$8 \times \dfrac{2}{5}$

$$\begin{array}{r} 5\ 1\ 9 \\ \times\ \ 7\ 2 \\ \hline 1\ 0\ 3\ 8 \\ 3\ 6\ 3\ 3\ 0 \\ {}^1\ \ \ \ 6 \\ \hline 3\ 7\ 3\ 6\ 8 \end{array}$$

37 368

$\dfrac{16}{5}$ or $3\dfrac{1}{5}$

Here is a pattern of number pairs

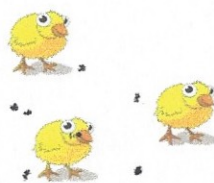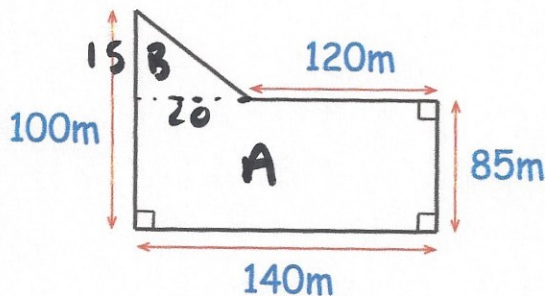| a	b	
1	13	) +5
2	18	) +5
3	23	) +5
4	28	

Complete the rule for the number pattern

$b = \boxed{5} \times a + \boxed{8}$

Farmer Patrick keeps chickens in the field below

Each chicken needs $3m^2$

What is the maximum number of chickens that he can keep?

15 | B   120m

100m   20

A   85m

140m

A
Area = 140 × 85 = 11900

B
Area = ½ × 20 × 15 = 150

Total = 12050 m²

12050 ÷ 3 = 4016.6...
    4016 chickens