

# SOLUTION

March 11th 2019

**ADAM IS 15**

**BEN IS 21**

**CALEB IS 33**

**Winners: Daniel Eyre 7S**

**Owen Barker 7S**

$$\begin{aligned} 5:7:11 &= 15:21:33 \\ +1\text{ year} &= 16:22:34 \\ 16:22:34 &= 8:11:17 \\ \text{Adam} &\rightarrow \text{Ben} \rightarrow \text{Caleb} \\ \text{Adam} &= 15 \quad \text{Ben} = 21 \quad \text{Caleb} = 33 \end{aligned}$$

~~Adam - 15~~  
~~Ben~~

Adam - 15  
Ben - 21  
Caleb - 33

$x = 5:7:11$   
 $x = 8:11:17$

Daniel Eyre  
7S 7x1

Multiples of  $x =$   
multiples of  $8y - 1$

