



26th February

$8^3$

$$8 \times 8 = 64$$

$$\begin{array}{r} 64 \\ \times 8 \\ \hline 512 \end{array}$$

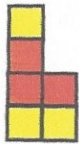
512

$4752 \div 11$

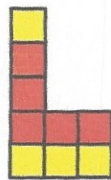
$$\begin{array}{r} 432 \\ 11 \overline{)4752} \end{array}$$

432

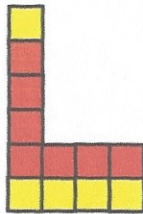
Here is a pattern of red and yellow squares



Pattern 1



Pattern 2



Pattern 3

Which of the following are true?

- A Pattern 10 has 11 yellow squares
- B The number of red squares is always odd
- C Every pattern has more red squares than yellow squares
- D Pattern 5 has 11 red squares

The area of this triangle is  $30\text{cm}^2$

Find the length of the base of the triangle,  $y$ .

10cm

