



Chilton Primary School

★ Year 3 & 4, Term 3 Maths Challenge ★

Below is the Term 3 maths challenge. If you would like to enter, solve the problem below and return any entries to Miss Lane's Classroom (Year 6, Team Indigo) by Monday 10th February 2019. Names of those who are successful in the completion of the maths challenge will be entered into a raffle for a prize where one winner will be chosen in our Chilton Heroes assembly on Friday 14th February. All entrants will receive a certificate for participating.

Challenge:

Rob and Jennie were making necklaces to sell at the school fair.

They decided to make them very mathematical.

Each necklace was to have eight beads, four of one colour and four of another.

And each had to be symmetrical, like this.



How many different necklaces could they make?

Can you find them all?

How do you know there aren't any others?

What if they had 9 beads, five of one colour and four of another?

What if they had 10 beads, five of each?