

Portfolio task 11.1

Here is another NRICH problem to have a go at. I am decorating 20 biscuits for my daughter's party. I line them up and put:

- icing on every second biscuit
- a cherry on every third biscuit
- chocolate on every fourth biscuit

How many biscuits have no decoration on them? How many have icing, a cherry and chocolate?

If I ice 50 biscuits how many will have all three decorations on them?

Make notes in your portfolio about your thinking whilst you solved this problem. How do you think it would 'stretch' your high-attaining learners?