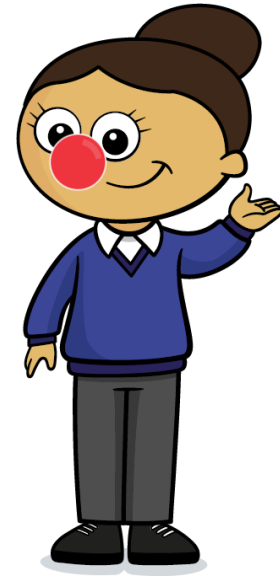Dora bakes some cupcakes for a Comic Relief bake sale.
She bakes **less than** 40 cupcakes.

If she puts 3 cupcakes in each box, she has 2 left over.

If she puts 4 cupcakes in each box, she has 3 left over.

If she puts 6 cupcakes in each box, she has 5 left over.

How many cupcakes could Dora have baked?

Is it possible for Dora to put equal groups into boxes so that there are no cupcakes left over?

IN AID OF

Answer

Dora could have baked 11 or 35 cupcakes.

Yes, Dora could have grouped 11 cupcakes into 11 boxes of 1 or 1 box of 11

Yes, Dora could have grouped 35 cupcakes into 35 boxes of 1, 1 box of 35, 5 boxes of 7 or 7 boxes of 5