

Answer on Question #53324 - Math – Algebra

John can buy a cup cake for 80p or 5 for £3.10. Find the cheapest way of buying 24 cupcakes.

Solution

If John can buy a cup cake for 80p or 5 for £3.10, then he can buy $24/5 = 4.8 = 4$ full sets of 5 cakes. And the last 4 cakes he will buy for 0.8 each.

So, the cheapest way of buying 24 cupcakes is $P = 4*3.1 + 4*0.8 = \text{£ } 15.6$.