

A Maths Question, PSLE 2009

A curry puff shop sells puffs at \$0.80 each.

Offer: Buy 3 & get the 4th at half price.

If a customer has \$50, what is the maximum number of curry puffs he can buy?

Writing

$$\$0.80 \div 2 = \$0.40$$

$$3 \times \$0.80 + \$0.40 = \$2.80 \text{ (every 4 puffs)}$$

$$\$50.00 \div \$2.80 = 17 \text{ R } \$2.40$$

$$17 \times 4 = 68 \text{ (puffs)}$$

$$\$2.40 \div \$0.80 = 3 \text{ (puffs)}$$

$$68 + 3 = 71$$

Ans. 71