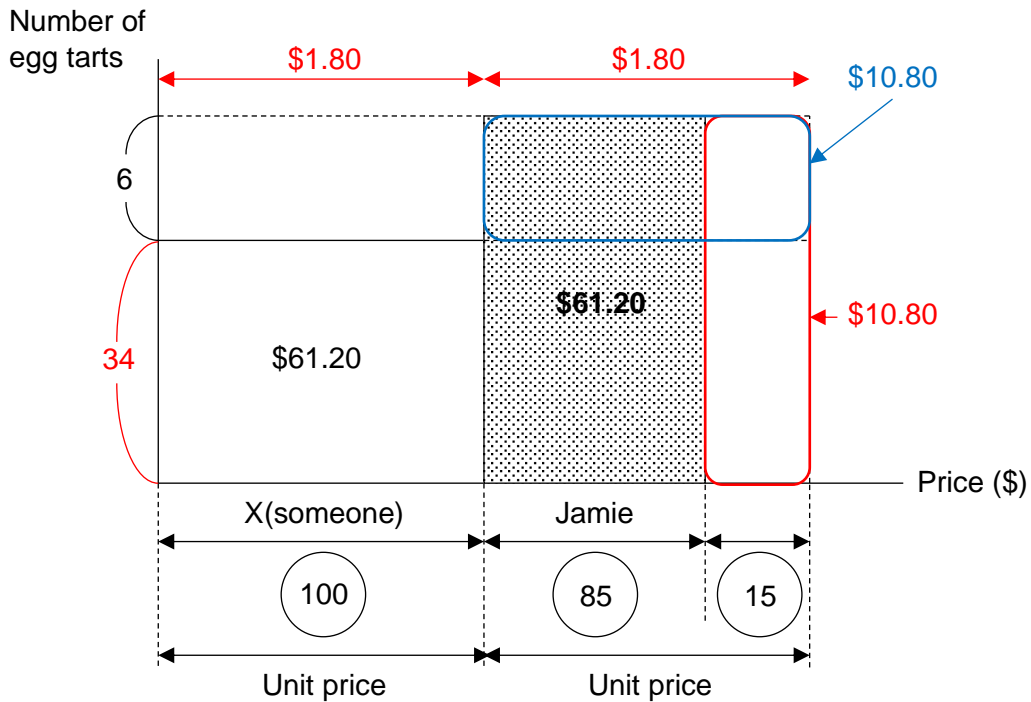


A Maths Question, PSLE 2019

Jamie and X(someone) used \$61.20 each to buy some egg tarts. Jamie had a 15% discount coupon and bought 6 more egg tarts than X.  
 a) How many egg tarts did Jamie buy?  
 b) What is the cost of an egg tart without the discount?

<< Let's use the Area Diagram! >>

<Diagram>



<Writing>

$100\% - 85\% = 15\%$   
 Since the shaded region equals \$61.20,  
 $\$61.20 \times \frac{15}{85} = \$10.80$  → Red region = Blue region  
 $\$10.80 \div 6 = \$1.80$  → original unit price (b)  
 $\$61.20 \div \$1.80 = 34$  → X bought 34 egg tarts  
 $34 + 6 = 40$  → Jamie bought 40 egg tarts (a)

Answer a) 40 b) \$1.80