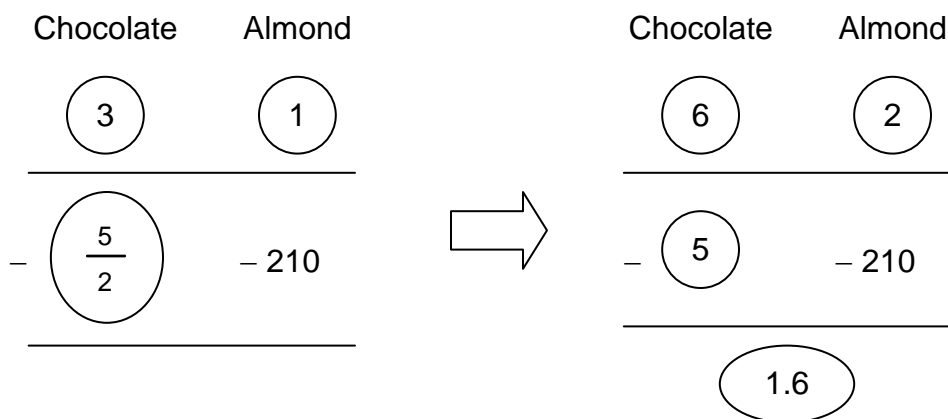


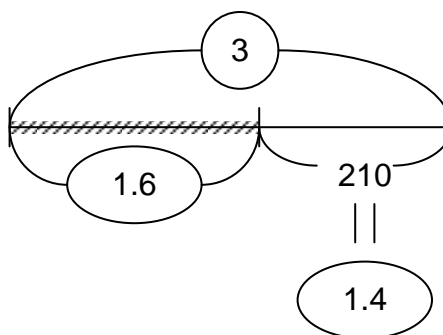
A Maths Question, PSLE 2009

Sally baked some cookies to sell. $\frac{3}{4}$ of them were chocolate cookies and the remaining were almond cookies. After she sold $\frac{5}{6}$ of chocolate cookies and 210 almond cookies, she had $\frac{1}{5}$ of the cookies left. How many cookies did she sell?

G. R.



Diagram



Writing

$$4 \text{ circles} - 1 \text{ circle} = 3 \text{ circles}$$

$$2 \times 3 \text{ circles} = 6 \text{ circles}$$

$$\frac{5}{6} \times 6 \text{ circles} = 5 \text{ circles}$$

$$2 \times 1 \text{ circle} = 2 \text{ circles}$$

$$6 \text{ circles} + 2 \text{ circles} - 5 \text{ circles} = 3 \text{ circles}$$

$$\frac{1}{5} \times (6 \text{ circles} + 2 \text{ circles}) = 1.6 \text{ circles}$$

$$3 \text{ circles} - 1.6 \text{ circles} = 1.4 \text{ circles} \rightarrow 210 \text{ cookies}$$

$$210 \div 1.4 = 210 \div \frac{14}{10} = 150 \text{ cookies} \rightarrow 1 \text{ circle}$$

$$5 \times 150 + 210 = 960 \rightarrow \text{Sold by Sally}$$

Ans. 960