

A Maths Question, PSLE 2016

A pen cost \$2 more than a notebook. Four pens cost \$y.

(a) What is the cost of 12 pens?

(b) What is the cost of a notebook? (Express your answer in terms of y.)

<< Algebra >>

(a) 4 pens \rightarrow \$y

$$12 \div 4 = 3$$

12 pens \rightarrow \$3y

(b) 4 pens \rightarrow \$y

1 pen \rightarrow $\frac{y}{4}$

1 pen ($\frac{y}{4}$) \rightarrow \$2 + a notebook

A notebook \rightarrow $\frac{y}{4} - \$2 = \$\left(\frac{y}{4} - 2\right)$

Answer (a) \$(3y)\$ (b) $\$ \left(\frac{y}{4} - 2 \right)$