

A Maths Question, PSLE 2017

(Paper 2, Q13)

Gopal and Henry were paid \$3850 for a job they did. Gopal was paid \$2030 more than Henry.

(a) How much was Gopal paid?

Gopal and Henry were paid based on the number of days they worked. Gopal worked 3 times as many days as Henry. Gopal was paid \$5 more than Henry per day.

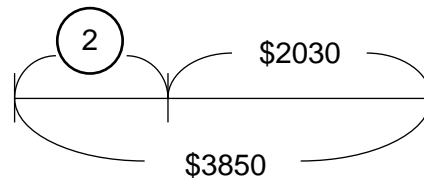
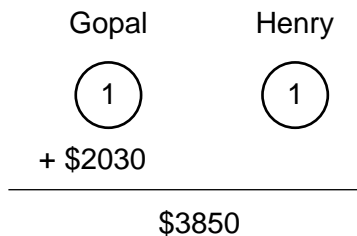
(b) How many days did Gopal work?

<< Sum & Difference Maths and Area Diagram >>

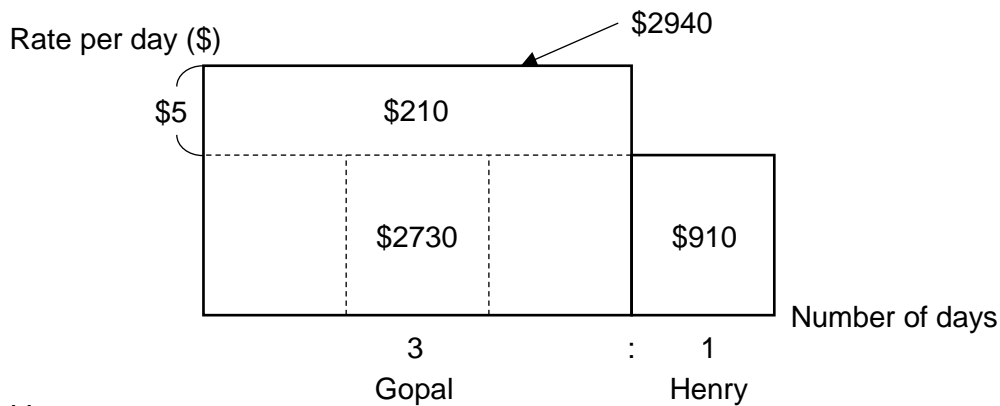
<G.R.>

<Diagram>

Let ① be the amount of money paid to Henry.



<Area Diagram>



<Writing>

$$\$3850 - \$2030 = \$1820$$

$$\textcircled{1} + \textcircled{1} = \textcircled{2}$$

$$\$1820 \div \textcircled{2} = \$910 \quad \rightarrow \textcircled{1}, \text{ Henry}$$

$$\$910 + \$2030 = \$2940 \quad \rightarrow \text{Gopal, (a)}$$

$$\$910 \times 3 = \$2730$$

$$\$2940 - \$2730 = \$210$$

$$\$210 \div \$5 = 42 \text{ (days)} \quad \rightarrow \text{Gopal, (b)}$$

Answer (a) \$2940 (b) 42 days