

Name: _____

(a) Given $\frac{2}{p} + \frac{1}{q} = \frac{3}{r}$. Express q as the subject of the formula.Diberi $\frac{2}{p} + \frac{1}{q} = \frac{3}{r}$. Ungkapkan q sebagai perkara rumus.

Answer/Jawapan:

(b) Steve bought x kg cabbage and y kg spinach from a farmer at the price of RM1.25 per kg and RM1.70 per kg respectively.

Then, he sells the vegetables at the market at the price of RM2.40 per kg for cabbage and RM2.80 per kg spinach.

Steve membeli x kg kubis dan y kg bayam daripada petani masing-masing dengan harga RM1.25 per kg dan RM1.70 per kg.

Kemudian, dia menjual sayur-sayur tersebut di pasar pada harga RM2.40 per kg bagi kubis dan RM2.80 per kg bagi bayam.

(i) Construct a formula of the total profit, P , in RM, obtained by Steve if all of the vegetables are sold.Bentukkan satu rumus jumlah keuntungan, P , dalam RM, yang diperolehi oleh Steve jika sayur-sayurnya habis dijual.

(ii) How many cabbage has Steve bought from the farmer if he obtained the profit of RM72.55 and bought 21kg spinach.

Berapa banyakkah kubis yang telah Steve beli daripada petani tersebut jika dia memperoleh keuntungan sebanyak RM72.55 dan membeli 21kg bayam.

Answer/Jawapan:

(c) The ticket prices for visiting a butterfly park during weekend are RM12 for adult and RM8 for child. There is a tourist group with p adults and q children.(i) Construct a formula of the total payment, H , if the group visits the butterfly park on Saturday.Bentukkan satu rumus jumlah bayaran tiket, H , jika rombongan tersebut melawat taman rama-rama pada hari Sabtu.

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Answer/Jawapan:

(ii) 20% ticket discount is given for each child if they visit the butterfly park during working days. Construct a formula of the total payment, J , if the group visits the butterfly park on Tuesday.

Diskaun harga tiket akan diberi sebanyak 20% untuk setiap dewasa dan setiap kanak-kanak jika mereka melawat ke taman rama-rama pada hari bekerja. Bentukkan satu rumus jumlah bayaran tiket, J , jika rombongan tersebut melawat taman rama-rama pada hari Selesa.

Answer/Jawapan:

MathTalk



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