

- 1 (a) Kasem earns \$900 each month.
14% of this amount is deducted for tax and insurance.

Show that he receives \$774 each month.

Answer(a)

$$\frac{14}{100} \times \$900 = \$126$$

$$\$900 - \$126 = \$774$$

[2]

- (b) He pays $\frac{2}{9}$ of the \$774 in rent.

Calculate the amount of rent he pays.

$$\frac{2}{9} \times \$774 = \$172$$

Answer(b) \$ 172 [1]

- (c) Kasem spends \$480 each month on food, entertainment and clothes.
He shares this in the ratio

food : entertainment : clothes = 9 : 3 : 4.

Calculate how much he spends on food each month.

$$\frac{9}{9+3+4} \times \$480$$

$$= \frac{9}{16} \times \$480$$

$$= \$270$$

Answer(c) \$ 270 [2]

- (d) Kasem saves the rest of his money.

Work out the amount he saves as a percentage of \$774.

$$\begin{aligned} \text{Saving} &= \$774 - \$172 - \$480 \\ &= \$122 \end{aligned}$$

$$\% \text{ Saving} = \frac{\$122}{\$774} \times 100\%$$

$$= 15.762273901... \% \approx 15.8 \% \text{ Answer(d) 15.8 \% [2]}$$