1 a) (3A, p38) Problem 4

Step 1 He spent $1268 + $1380 = $2648
Step 2 He had $3915 - $2648 = $1267 left

(3A, p38) Problem 5

Ref: $1739

Ove: $850

Step 1 The oven costs $1739 - $850 = $889
Step 2 Together the refrigerator and oven cost $1739 + $889 = $2628

b) (3A, p38) Problem 8

Li

Wang

Wu

Step 1 Wang saved $1035 + $278 = $1313
Step 2 Wu saved $1313 - $105 = $1208

2 a) (3A, p47) Problem 8

10 x $8 = $80
She paid $80

(3A, p47) Problem 10

There are 5 + 3 or 8 pencils in each box.
$4 \times 8 = 32$
She bought 32 pencils

b) (3A, p48) Problem 9

$16 \div 4 = 4$
There are 4 qts of syrup in each bottle

(3A, p48) Problem 10

Melissa

Sally

alternatively 1 unit = 6
2 units = 2 x 6 = 12
Sally has 12 more than Melissa
c) (3A, p55) Problem 11

\[ \begin{align*}
\text{rice cooker} & \quad 1 \text{ unit} \\
\text{refrigerator} & \\
\end{align*} \]

\[ \begin{align*}
\text{Step 1} & \quad 5 \times \$150 = \$750 \quad \text{The refrigerator costs} \quad \$750 \\
\text{Step 2} & \quad \$150 + \$750 = \$900 \quad \text{The total cost is} \quad \$900
\end{align*} \]

Alternatively, \[ 6 \text{ units} = 6 \times \$150 = \$900 \]

The total cost is \$900

3 a) (3A, p56) Problem 10

\[ \begin{align*}
\text{Step 1} & \quad \text{She bought} \quad 4 \times 30 = 120 \text{ cakes} \\
\text{Step 2} & \quad \text{She paid} \quad 120 \times \$3 = \$360 \text{ for the cakes}
\end{align*} \]

Alternatively, \[ \begin{align*}
\text{Step 1} & \quad \text{She paid} \quad 30 \times \$3 = \$90 \text{ per box} \\
\text{Step 2} & \quad \text{She paid} \quad 4 \times \$90 = \$360 \text{ for the 4 boxes}
\end{align*} \]

(3A, p56) Problem 11

\[ \begin{align*}
\text{Step 1} & \quad \text{There are} \quad 5 \times 25 = 125 \text{ chairs in the "other" 5 rows} \\
\text{Step 2} & \quad \text{There are} \quad 18 + 125 = 143 \text{ chairs altogether}
\end{align*} \]

b) (3A, p67) Problems 8, 9, 10 are two-step problems

4 a) Pierre \[ \begin{align*}
\text{daughter} & \\
\end{align*} \]

\[ \begin{align*}
\text{Step 1} & \quad 90 \div 5 = 18 \quad \text{Daughter weighs} \quad 18 \text{ Kg} \\
\text{Step 2} & \quad \text{Together they weigh} \quad 90 + 18 = 108 \text{ Kg}
\end{align*} \]

Alternatively, \[ \begin{align*}
6 \text{ units} = 6 \times 18 = 108 \text{ Kg}
\end{align*} \]

b) \[ \begin{align*}
\text{Step 1} & \quad A \text{ weighs} \quad 2 \times 32 = 64 \text{ Kg} \\
\text{Step 2} & \quad O \text{ weighs} \quad 64 - 21 = 43 \text{ Kg}
\end{align*} \]