

# ANSWERS

## Certificate 2 Computer Assembly and Repair Maths Diagnostic Sample Questions 2009

### Block A Arithmetic

<p>1.</p> <p>What is</p> <p><math>102 + 78 - 39</math></p>	$\begin{array}{r} 102 + \\ 78 \\ \hline 180 \\ - 39 \\ \hline 141 \end{array}$	<p>1.</p> <p>141</p>
<p>2.</p> <p>What is</p> <p><math>2 \times 3 \times 4 \div 8</math></p>	$\frac{2 \times 3 \times 4}{8}$ <p style="text-align: center;">cancel if possible</p> $= \frac{1 \times 3 \times 1}{1} = 3$	<p>2.</p> <p>3</p>
<p>3.</p> <p>What is</p> <p><math>24.3 - 2.05 + 10.004</math></p>	$\begin{array}{r} 24.300 + \\ 10.004 \\ \hline 34.304 \\ - 2.050 \\ \hline 32.254 \end{array}$	<p>3.</p> <p>32.254</p>
<p>4.</p> <p>Express</p> <p><math>\frac{3}{8}</math> as a decimal</p>	$\begin{array}{r} 0.375 \\ 8 \overline{) 3.000} \end{array}$	<p>4.</p> <p>0.375</p>
<p>5.</p> <p>What is</p> <p><math>\frac{1}{2} + \frac{2}{3} - \frac{1}{6}</math></p>	<p>Lowest Common Denominator is 6</p> $\frac{1}{2} = \frac{3}{6} \quad \frac{2}{3} = \frac{4}{6}$ $\frac{3 + 4 - 1}{6} = \frac{6}{6} = 1 \text{ whole}$	<p>5.</p> <p>1</p>