

<p>a)</p> <p>Estimate <math>\frac{476 + 1,832}{0.51 \times 1.2}</math></p> <hr/> <p>Round each number to 1 significant figure</p> <p>476 <math>\approx</math> 500  1832 <math>\approx</math> 2,000  0.51 <math>\approx</math> 0.5  1.2 <math>\approx</math> 1</p> <hr/> <p>Substitute these approximate values into the original expression</p> $\frac{500 + 2,000}{0.5 \times 1}$ <hr/> <p>Simplify</p> $\frac{2,500}{0.5} = 5,000$ <hr/> $\frac{476 + 1,832}{0.51 \times 1.2} \approx 5,000$	<p>b)</p> <p>Estimate <math>\frac{76 \times 2105}{2.4 + 2.87}</math></p> <hr/> <p>Round each number to 1 significant figure</p> <p>76 <math>\approx</math> 80  2105 <math>\approx</math> 2000  2.4 <math>\approx</math> 2  2.87 <math>\approx</math> 3</p> <hr/> <p>Substitute these approximate values into the original expression</p> $\frac{80 \times 2,000}{2 + 3}$ <hr/> <p>Simplify</p> $\frac{\dots}{\dots} = \dots$ <hr/> $\frac{76 \times 2105}{2.4 + 2.87} \approx \dots$	<p>c)</p> <p>Estimate <math>\frac{17,993 - 1,842}{2.7 \times 3.22}</math></p> <hr/> <p>Round each number to 1 significant figure</p> <p>17,993 <math>\approx</math> 20,000  1,842 <math>\approx</math> 2,000  2.7 <math>\approx</math> 3  3.22 <math>\approx</math> 3</p> <hr/> <p>Substitute these approximate values into the original expression</p> $\frac{\dots}{\dots}$ <hr/> <p>Simplify</p> $\frac{\dots}{\dots} = \dots$ <hr/> $\frac{\dots}{\dots} \approx \dots$
<p>d)</p> <p>Estimate <math>\frac{5.7 \times 168}{87 + 12.6}</math></p> <hr/> <p>Round each number to 1 significant figure</p> <p>..... <math>\approx</math> .....</p> <p>..... <math>\approx</math> .....</p> <p>..... <math>\approx</math> .....</p> <p>..... <math>\approx</math> .....</p> <hr/> <p>Substitute these approximate values into the original expression</p> $\frac{\dots}{\dots}$ <hr/> <p>Simplify</p> $\frac{\dots}{\dots} = \dots$ <hr/> $\frac{\dots}{\dots} \approx \dots$	<p>e)</p> <p>Estimate <math>\frac{9,945 - 1863}{1.4 \times 42.7}</math></p> <hr/> <p>Round each number to 1 significant figure</p> <p>.....</p> <hr/> <p>Substitute these approximate values into the original expression</p> $\frac{\dots}{\dots}$ <hr/> <p>Simplify</p> $\frac{\dots}{\dots}$	<p>f)</p> <p>Estimate <math>\frac{4.67 \times 3,933}{1,833 + 2,858}</math></p> <hr/> <p>.....</p> <hr/> <p>.....</p> <hr/> <p>.....</p>

