

## Maths Workout – Histograms

<b>Calculating Frequency Density</b>		<b>Level 4</b>
Calculate frequency density from a grouped frequency table		
Tasks	<ol style="list-style-type: none"> <li>1. Calculate frequency density from a grouped frequency table</li> <li>2. Calculate frequency density from a grouped frequency table</li> <li>3. Calculate with frequency, frequency density and interval width</li> </ol>	

<b>Frequency Density Problems</b>		<b>Level 5</b>
Calculate with frequency, frequency density and interval width		
Tasks	<ol style="list-style-type: none"> <li>1. Calculate with frequency, frequency density and interval width</li> <li>2. Calculate with frequency, frequency density and interval width</li> </ol>	

<b>Constructing a Histogram</b>		<b>Level 7</b>
Construct a histogram		
Tasks	<ol style="list-style-type: none"> <li>1. Construct a histogram</li> <li>2. Construct a histogram</li> <li>3. Construct a histogram</li> <li>4. Construct a histogram</li> <li>5. Construct a histogram</li> <li>6. Construct a histogram</li> <li>7. Construct a histogram</li> <li>8. Construct a histogram</li> <li>9. Construct a histogram</li> <li>10. Construct a histogram</li> <li>11. Construct a histogram</li> <li>12. Construct a histogram</li> </ol>	

<b>Reading a Histogram (Equal Width Columns)</b>		<b>Level 7</b>
Read and interpret a histogram		
Tasks	<ol style="list-style-type: none"> <li>1. Demo: Read a histogram: equal width columns</li> <li>2. Read a histogram: equal width columns: single column query</li> <li>3. Read a histogram: equal width columns: single column query</li> <li>4. Complete a frequency table from a histogram: equal width columns</li> </ol>	

<b>Reading a Histogram (Unequal Width Columns)</b>		<b>Level 7</b>
Read and interpret a histogram		
Tasks	<ol style="list-style-type: none"> <li>1. Demo: Read a histogram: unequal width columns</li> <li>2. Read a histogram: unequal width columns: single column query</li> <li>3. Read a histogram: unequal width columns: single column query</li> <li>4. Complete a frequency table from a histogram: unequal width columns</li> </ol>	

# Maths Workout – Histograms

<b>Reading a Histogram (Multiple Column Query)</b>		<b>Level 7</b>
Read and interpret a histogram		
Tasks	<ol style="list-style-type: none"> <li>1. Demo: Read a histogram: multiple column query</li> <li>2. Read a histogram: multiple column query</li> <li>3. Read a histogram: multiple column query</li> <li>4. Read a histogram: calculate the total frequency</li> <li>5. Read a histogram: calculate the total frequency</li> </ol>	

<b>Estimating the Mean</b>		<b>Level 7</b>
Estimate the mean in a histogram		
Tasks	<ol style="list-style-type: none"> <li>1. Read a histogram: estimate the mean</li> <li>2. Read a histogram: estimate the mean</li> </ol>	

<b>Estimating the Frequency</b>		<b>Level 7</b>
Estimate frequency in a histogram		
Tasks	<ol style="list-style-type: none"> <li>1. Demo: Estimate frequency in a histogram: partial column query</li> <li>2. Estimate frequency in a histogram: partial column query</li> <li>3. Estimate frequency in a histogram: multiple and partial column query</li> </ol>	

<b>Constructing, Reading &amp; Interpreting Histograms (Age)</b>		<b>Level 7</b>
Construct, read and interpret histograms displaying age		
Tasks	<ol style="list-style-type: none"> <li>1. Demo: Understand class intervals when displaying age</li> <li>2. Calculate frequency density from age data</li> <li>3. Construct a histogram displaying age</li> <li>4. Construct a histogram displaying age</li> <li>5. Construct a histogram displaying age</li> <li>6. Read a histogram displaying age: single column query</li> <li>7. Read a histogram displaying age: multiple column query</li> </ol>	

<b>Constructing, Reading &amp; Interpreting Histograms (Rounded Continuous Data)</b>		<b>Level 7</b>
Construct, read and interpret histograms displaying rounded continuous data		
Tasks	<ol style="list-style-type: none"> <li>1. Demo: Understand class intervals when displaying rounded continuous data</li> <li>2. Calculate frequency density from rounded continuous data</li> <li>3. Construct a histogram displaying rounded continuous data</li> <li>4. Read a histogram displaying rounded continuous data: single column query</li> <li>5. Read a histogram displaying rounded continuous data: multiple column query</li> </ol>	