

## Mr Coles' 10M1 Maths Weekly Task Grid – Week commencing 11<sup>th</sup> May

Choose 1 purple task, 1 orange task, 1 green task and 2 yellow tasks from the grid. Complete them this week.

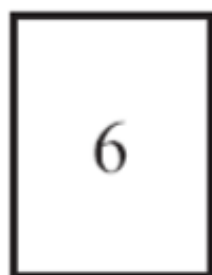
<p><b>Task 1</b></p> <p>Create a <a href="#">mind map</a> of all the things you know about <b>Histograms</b>.</p> <p>When you learn something new, add it to your map.</p>	<p><b>Task 2</b></p> <p><b>Histograms</b> on the <a href="#">MyMaths Website</a>. It comes up every year on exams.</p> <p>Again, I recommend watching the videos on Corbett as well if you find it difficult. As I realise you won't have tiny blue graph paper I have not included drawing histograms as a part of this but it does need to be revised when we get back to school...</p>	<p><b>Task 3</b></p> <p><b>Histograms (find frequency)</b> and then <b>Histograms harder</b> on the CorbettMaths Website: Videos: <a href="#">Histograms</a> and <a href="#">Histograms harder</a></p> <p>Answer <b>at least 5 questions from a variety of areas</b> (not just the first 5) on <a href="#">Histograms and Histograms harder</a> (It's all one thing)</p> <p>Answers: <a href="#">Histograms</a></p>	<p><b>Task 4</b></p> <p>Create a poster/PowerPoint/revision cards on <b>Histograms</b></p> <p>Website to help:</p> <p><a href="#">Google</a></p>																				
<p><b>Task 5</b></p> <p><b>Make a quiz/powerpoint/Kahoot on questions involving Histograms.</b></p> <p>You could use the Quizizz website on Task 12 to give you ideas...</p> <p>Any excellent efforts will be shared with everyone to complete next week!</p>	<p><b>Task 6</b></p> <p><b>Attend my Zoom lesson Tuesday 1-2pm.</b></p> <p>You must send me an email before to confirm you'll be attending. You must use your own name. You don't have to have your video on but use your mic or the chat to answer questions. I'd prefer to hear you as it makes everything move much faster...</p>	<p><b>Task 7</b></p> <p>Problem Solving: Ed has 4 cards. There is a number on each card.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; margin: 5px;">12</div> <div style="border: 1px solid black; padding: 5px; margin: 5px;">6</div> <div style="border: 1px solid black; padding: 5px; margin: 5px;">15</div> <div style="border: 1px solid black; padding: 5px; margin: 5px;">?</div> </div> <p>The mean of the 4 numbers on Ed's cards is 10.</p> <p>Work out the number on the 4th card.</p> <p>Enlarged on next pages.</p>	<p><b>Task 8</b></p> <p>Functional: Here is part of Gary's electricity bill.</p> <div style="border: 1px solid black; padding: 10px; margin: 10px; text-align: center;"> <p>Electricity bill</p> <p>New reading 7155 units</p> <p>Old reading 7095 units</p> <p>Price per unit 15p</p> </div> <p>Work out how much Gary has to pay for the units of electricity he used.</p> <p>I've enlarged this on the next pages</p>																				
<p><b>NEW</b></p> <p><b>Task 9</b></p> <p>Manga High: <a href="http://www.mangahigh.com/en-gb">www.mangahigh.com/en-gb</a></p> <p>Attempt <b>Interpreting Histograms</b>.</p> <p>If you redo the exercise you will start on the level reached last time. You get more points for answering harder questions!</p> <p>Try to get at least a bronze medal.</p>	<p><b>NEW</b></p> <p><b>Task 10</b></p> <p>Try the Olympic maths mystery on two way tables. It is enlarged on the next few pages.</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <tr> <td>The USA won 46 gold medals at London 2012</td> <td>China won 21 silver medals in Beijing</td> <td>GB won 18 more medals in total in London than they won in Beijing</td> <td>China won 88 medals in total at London 2012</td> </tr> <tr> <td>China won 188 medals in total at the last two Olympics combined.</td> <td>In London, GB won 12 more gold medals than they did silver medals.</td> <td>The USA won 82 gold medals in the last two Olympics combined</td> <td>GB won 30 silver medals in the last two Olympics combined.</td> </tr> <tr> <td>China won 5 more bronze medals in Beijing than they did in London</td> <td>The USA finished above China in the medals table at London 2012</td> <td>China won 23 bronze medals at the London Olympics</td> <td>The USA won 9 fewer silver medals at London 2012 than they did at Beijing 2008.</td> </tr> <tr> <td>GB won 29 gold medals at the London Olympics</td> <td>The USA won 38 silver medals at Beijing 2008</td> <td>GB won 65 medals in total at the London Olympics</td> <td>The USA won 29 bronze medals at London 2012</td> </tr> <tr> <td>The USA won 110 medals in total at Beijing 2008.</td> <td>Team GB finished one place higher in the medals table in London than they did in Beijing</td> <td>China won 2 fewer silver medals in London than the USA did.</td> <td>GB has won 48 gold medals at the last two Olympics combined.</td> </tr> </table>	The USA won 46 gold medals at London 2012	China won 21 silver medals in Beijing	GB won 18 more medals in total in London than they won in Beijing	China won 88 medals in total at London 2012	China won 188 medals in total at the last two Olympics combined.	In London, GB won 12 more gold medals than they did silver medals.	The USA won 82 gold medals in the last two Olympics combined	GB won 30 silver medals in the last two Olympics combined.	China won 5 more bronze medals in Beijing than they did in London	The USA finished above China in the medals table at London 2012	China won 23 bronze medals at the London Olympics	The USA won 9 fewer silver medals at London 2012 than they did at Beijing 2008.	GB won 29 gold medals at the London Olympics	The USA won 38 silver medals at Beijing 2008	GB won 65 medals in total at the London Olympics	The USA won 29 bronze medals at London 2012	The USA won 110 medals in total at Beijing 2008.	Team GB finished one place higher in the medals table in London than they did in Beijing	China won 2 fewer silver medals in London than the USA did.	GB has won 48 gold medals at the last two Olympics combined.	<p><b>Task 11</b></p> <p>Answer this Riddle:</p> <p>Can you write down eight eights so that they add up to one thousand? No googling!</p>	<p><b>NEW</b></p> <p><b>Task 12</b></p> <p>Go to the <a href="#">Quizizz website</a></p> <p>Click on the green Practice button &gt; Click Play &gt; Click Skip for now (where it asks you to sign up) &gt; and then the green Play quiz button.</p> <p>Attempt the 10 Questions on <b>histograms</b>. Screenshot how well you did!</p>
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Task 7

## Problem Solving:

Ed has 4 cards.

There is a number on each card.



The mean of the 4 numbers on Ed's cards is 10.

Work out the number on the 4th card.

**Task 8**

**Functional:**

Here is part of Gary's electricity bill.

<b>Electricity bill</b>	
<b>New reading</b>	<b>7155 units</b>
<b>Old reading</b>	<b>7095 units</b>
<b>Price per unit 15p</b>	

Work out how much Gary has to pay for the units of electricity he used.