Rounding numbers means adjusting the digits (up or down) to make rough calculations easier. It can be useful to use a number line to help.

Rounding to the nearest 10
To round a number to the nearest 10, look at the units digit. If the units digit is 5 or more, round up. If the units digit is 4 or less, round down.

The last digit in 356 is 6. So we round it up to 360.
The last digit of 352 is 2. So we round it down to 350.
475 ends in a 5. We always round a 5 up. So 475 rounds up to 480.

Rounding to the nearest 100
To round a number to the nearest 100, look at the tens digit. If the tens digit is 5 or more, round up. If the tens digit is 4 or less, round down.

The tens digit in 3281 is 8. So we round it up to 3300.
The tens digit of 3216 is 1. So we round it down to 3200.

Rounding to the nearest 1000
To round a number to the nearest 1000, look at the hundreds digit. If the hundreds digit is 5 or more, round up. If the hundreds digit is 4 or less, round down.

The hundreds digit in 4559 is 5. So we round it up to 5000.
The hundreds digit of 4295 is 2. So we round it down to 4000.

Useful video:
https://www.bbc.co.uk/bitesize/topics/zh8dmp3/articles/zpx2qty
Main Activities

Read the Shipwrecks: Information Sheet

Helpful tip: As you are reading, highlight or underline any number!

Complete the two activities, using the information found on the information sheet. These activities involve reading and maths skills!

Shipwrecks: Information Sheet

**MS WORLD DISCOVERER**

The MS World Discoverer was a Danish cruise ship created in 1974. While carrying passengers on a cruise in 2000 it struck a rock at the Solomon Islands, resulting in the ship subsiding. All passengers were escorted safely to another passenger ferry.

**NUESTRA SENORA DE LAS MERCEDES**

The greatest recovery of treasure was found on the remains of the Spanish warship Nuestra Senora de las Mercedes which sank off Portugal in 1804. In 2007, it was announced that uncovered gold worth an estimated £314 million was found.

**MV DONA PAZ**

The sinking of the MV Dona Paz from the Philippines in 1987 is remembered in history as the deadliest of all peacetime maritime disasters. A fire and explosion ensued, killing a predicted 4,386 passengers and there were only 24 survivors.

**THE QUEEN ANNE’S REVENGE**

Queen Anne's Revenge was an 18th century warship mostly known for being the ship of legendary pirate Blackbeard (Edward Teach). First serving in the British Navy, the ship was later captured by the French and then by pirates from 1717 onwards. In 1996 the remains of Queen Anne's Revenge were discovered near North Carolina. So far more than a quarter of a million artefacts have been recovered.

**VASA**

Vasa is a Swedish warship, believed to have been built in 1628. The ship sank twenty minutes into its maiden voyage on 10 August 1628 after being hit by strong winds and flooding. Sinking less than a mile into its journey, it was regarded as a great embarrassment for the King of Sweden. It was not until 1961 that the shipwreck was successfully recovered, including 30,456 of artefacts.

**THE MARY ROSE**

The Mary Rose was a Tudor warship commissioned and run during the reign of Henry VIII. Launched in 1511, it served in many battles against France, Brittany and Scotland, and in 1545 it sank during a battle against the French. It was not rediscovered until 1971, and was salvaged in 1982. In addition to the ship's structure itself, over 26,080 artefacts have been recovered.
USS ARIZONA
The USS Arizona was an American battleship built for the US Navy launched in 1915. On 7 December, 1941 USS Arizona was bombed by the Japanese, exploding and sinking. 1,177 crew members and officers were killed. The shipwreck was declared a National Historic Landmark in 1989.

RMS LUSITANIA
RMS Lusitania was a British ocean liner launched in 1906, and made a total of 202 trans-Atlantic crossings before it was torpedoed and sunk by a German U-boat in 1915. Of the 1,962 passengers and crew aboard, 1,191 lost their lives. Causing outrage and shock across the world, some believe it was a major factor in encouraging the US to enter World War II as an ally.

RMS REPUBLIC
The star of Billion Dollar Wreck, the RMS Republic was built in 1903 and operated as a steam-powered ocean liner. It wasn't until 23 January 1909 at 5:30 a.m. that disaster struck, colliding with the Lloyd Italiano liner SS Florida just off Nantucket, Massachusetts and sinking the next day at about 8.40 p.m. A total of six lives were lost. It is estimates that there was $255,700 of gold on the ship- if excavated today it could be worth hundreds of millions of dollars - perhaps even a billion.

RMS TITANIC
The supposedly "unsinkable" ocean liner set sail on its maiden voyage on 10 April 1912 only to hit an iceberg just before midnight on 14 April and sank in less than three hours. Claiming 1,514 lives, it is often remembered as one of the most famous and tragic shipwrecks in history. It wasn't until 1985 that a Franco-American expedition was able to reach the shipwreck, and discovered that it had been split in half - with each half lying within about a third of a mile apart from one another.

**Activity 1: Order the Shipwrecks. Order by Year, earliest first**

<table>
<thead>
<tr>
<th>Year</th>
<th>Name of Shipwreck</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>USS ARIZONA</td>
</tr>
<tr>
<td></td>
<td>RMS LUSITANIA</td>
</tr>
<tr>
<td></td>
<td>RMS REPUBLIC</td>
</tr>
<tr>
<td></td>
<td>RMS TITANIC</td>
</tr>
</tbody>
</table>


**Activity 2: Round the Shipwreck Facts to 10, 100 and 1000**

<table>
<thead>
<tr>
<th>Original number</th>
<th>To the nearest 10</th>
<th>To the nearest 100</th>
<th>To the nearest 1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>The predicted number of people killed on the MV Dona Paz</td>
<td>4386</td>
<td>4390</td>
<td>4400</td>
</tr>
<tr>
<td>Number of artefacts found on Vasa</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of artefacts found on The Mary Rose</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of crew members and officers killed on the ASS Arizona</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>People on board the RMS Lusitania</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lives lost on the RMS Titanic</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gold on the RMS Republic</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>