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| **Topic/Skill**  | **Definition/Tips** | **Example****Topic: Real Life Graphs**  |
| 1. Real Life Graphs | Graphs that are supposed to model some real-life situation.The actual meaning of the values depends on the labels and units on each axis.The **gradient** might have a contextual meaning.The **y-intercept** might have a contextual meaning.The **area** under the graph might have a contextual meaning. | A graph showing the cost of hiring a ladder for various numbers of days.The gradient shows the cost per day. It costs £3/day to hire the ladder.The y-intercept shows the additional cost/deposit/fixed charge (something not linked to how long the ladder is hired for). The additional cost is £7. |
| 2. Conversion Graph | A line graph to **convert one unit to another**.Can be used to convert units (eg. miles and kilometres) or currencies ($ and £)Find the value you know on one axis, read up/across to the conversion line and read the equivalent value from the other axis. | Image result for conversion graph$$8 km=5 miles$$ |
| 3. Depth of Water in Containers | Graphs can be used to show how the depth of water changes as different shaped containers are filled with water at a constant rate. |  |

**Knowledge Organiser**