Year 8 Unit 3 Knowledge Organiser - Plotting and Interpreting Graphs Probability, Circles and Compound Areas


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| 2 | Radius <br> (r) | The distance from the centre of a circle to its circumference. |  |  |
| :---: | :---: | :---: | :---: | :---: |
| 3 | Diameter <br> (d) | A straig the circ point on passing | from one point on nce to another cumference the centre. |  |
| 4 | Area of a Circle | $\pi r^{2}$ |  |  |
| 5 | Circumference | $\pi d$ | The distance aro | the perimeter of a e. |
| 6 | Segment | A region that is created by the arc and a chord of a circle. |  |  |
| 7 | Chord | A line segment joining to points on a circle's circumference. |  |  |
| 8 | Tangent | A line that touches the circumference of a circle. |  |  |
| 9 | Arc | Part of a circumference of a circle. |  |  |
| 10 | Sector | The area between two radiuses and the connecting arc. |  |  |
| 11 | Arc length | $\frac{\theta}{360} \times 2 \pi r$ |  |  |
| 12 | Area of a sector | $\frac{\theta}{360} \times \pi r^{2}$ |  |  |

