## Big Maths Beat That!: Teacher Notes

SAFE Challenge 19

|  | Step Location in the SAFE framework |  | Title of Step |
| :---: | :---: | :---: | :---: |
|  | Progress Drive | Step No. |  |
| Q1 | Amounts: Amounts of Distance | 30 | I can identify and measure the diameter of a circle |
|  |  | 31 | I can identify and measure the radius of a circle |
| Q2 | Amounts: Amounts of Turn | 32 | I know $180^{\circ}$ = sum of interior angles in every triangle (and can therefore find missing angles) |
| Q3 | Amounts: Amounts of Turn | 33 | I know $360^{\circ}$ = sum of interior angles in every quadrilateral and every circle (and can therefore find missing angles) |
| Q4 | Fractions: Fractions of a Set | 14 | I can tell you the total if I know the value of a fraction |
| Q5 | Fractions: Fractions: Calculation | 18 | I can use common factors to simplify |
| Q6 | Fractions: Fractions: Calculation | 20 | I can multiply one fraction by another |
| Q7 | Fractions: Fractions: Percentages | 5 | I can find percentages of convenient numbers |
| Q8 | Fractions: Fractions: Ratio | 11 | I can maintain a ratio through differing totals |
| Q9 | Explaining Data: Pie Charts | 4 | I can find missing angles, given the proportional value and the total value |
|  |  | 5 | I can find missing proportional values given the angle and the total value |
| Q10 | Explaining Data: Averages | 6 | I can find the mean value for a set of data |

Big Maths: The SAFE Challenges





















