Fill In The Blanks…

**Finding Lengths Using the Sine Rule**

|  |  |  |  |
| --- | --- | --- | --- |
| **Labelled diagram** | **Substitute** **into formula** | **Rearrange formula** | **Length****(1dp)** |
|  | $$\frac{x}{\sin(44)}=\frac{9}{\sin(59)}$$ | $$x=\frac{9×\sin(44)}{\sin(59)}$$ |  |
|  | $$\frac{x}{\sin(63)}=\frac{12}{\sin(48)}$$ |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  | $$\frac{x}{\sin(65)}=\frac{13}{\sin(76)}$$ |  |  |
|  |  | $$x=\frac{3.5×\sin(36)}{\sin(68)}$$ |  |