**Template 5 - Recognising Patterns**

**What are the missing numbers in the following patterns? Describe the pattern e.g. multiply by 2 etc.**

|  |  |
| --- | --- |
| **Missing numbers** | **Describe pattern** |
| 1. 6, 12, 24, \_\_ , \_\_ , 192
 |  |
| 1. 8, 4, 2, 1, $\frac{1}{2}$ , $\frac{}{}$ , $ \frac{}{}$ , $\frac{}{} , $
 |  |
| 1. 1, $\frac{1}{4}$ , $ \frac{1}{16}$ , $\frac{}{}$ , $ \frac{1}{256}$ , $\frac{}{} $, $ \frac{1}{4096}$
 |  |
| 1. 4, 16, \_\_ , 256, \_\_ , \_\_\_
 |  |
| **Challenge Questions**1. 3, 9, \_\_ , \_\_ , \_\_ , 729
 |  |
| 1. $\frac{1}{3}$ , $\frac{1}{9}$ , $\frac{}{}$ , $\frac{1}{81}$ , $\frac{}{}$ , $\frac{1}{729} $
 |  |