**1.** Show as many different ways as you can to solve these calculations.

For each calculation identify the most efficient method you have found. Explain why it is the most efficient method.

a) 4 x 8 =

b) 6 x 8 =

c) 7 x 8 =

d) 12 x 8 =

**2.** Complete the multiplication grids. Explain any patterns you notice.

|  |  |  |  |
| --- | --- | --- | --- |
| **x** | **2** | **4** | **8** |
| **2** |  |  |  |
| **4** |  |  |  |
| **8** |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **x** | **2** | **4** | **8** |
| **3** |  |  |  |
| **6** |  |  |  |
| **12** |  |  |  |