**Multiples**

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| **Literacy**  **Explain the word multiple in your own words. *Give examples to show your understanding.*** | **Research**  ***Find out how multiples are used in real-life.*** | | **Memory**   1. **What is the smallest multiple of any number?** 2. **Is it possible to find the highest multiple of a number? *Explain*** 3. **Can a multiple of a number be smaller than the number?** |
| **Skills: Write the first 5 multiples of the following**  **1) 3: \_\_, \_\_, \_\_,\_\_, \_\_**  **2) \_\_, \_\_, \_\_, \_\_, \_\_**  **3) \_\_, \_\_,\_\_, \_\_, \_\_**  **4) :\_\_, \_\_, \_\_, \_\_, \_\_**  **5) \_\_, \_\_, \_\_, \_\_, \_\_** | **Stretch**  **2) Three flashing lights flash every 5 seconds, 8 seconds and 12 seconds. If they start flashing at the same time how long will it take for them to flash at the same time again?**  **1) Find the Lowest Common Multiple (LCM) of the following**   * **2 and 5** * **6 and 8** * **8 and 10** * **4, 5 and 12** | |

**Multiples**

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| **Literacy**  **Explain the word multiple in your own words. *Give examples to show your understanding.***  **A multiple of a number is a number which is found in its times table eg. 6 is a multiple of 3** | **Research**  ***Find out how multiples are used in real-life.***  **Don’t accept answers with examples of use such as arranging chairs in a shop or eggs. This is the first search result on google from BBC skillswise.**  **If they dig deeper, they should find interesting uses in encrypting data online for example** | | **Memory**   1. **The number itself** 2. **Opportunity to discuss the idea of infinity** 3. **Interesting discussions to be had here … is 0.5 a multiple of 2 and 5? ☺** |
| **Skills: Write the first 5 multiples**  **1) 3: 3, 6, 9, 12, 15**  **2) 7, 14, 21, 28, 35**  **3) 8, 16, 24, 32, 40**  **4) : 5, 10, 15, 20, 25**  **5) 9, 18, 27, 36, 45** | **Stretch**  **1) Find the Lowest Common Multiple (LCM) of the following?**   * **2 and 5 = 10** * **6 and 8 = 24** * **4 and 10 = 20** * **4, 5 and 12 = 60**   **2) Three flashing lights flash every 5 seconds, 8 seconds and 12 seconds. If they start flashing at the same time how long will it take for them to flash at the same time again? 120 seconds** | |