**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?**
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| **Skills: Write the first 5 multiples of the following****1) 3: \_\_, \_\_, \_\_,\_\_, \_\_****2)** $7:$**\_\_, \_\_, \_\_, \_\_, \_\_****3)** $8:$**\_\_, \_\_,\_\_, \_\_, \_\_****4)** $5$**:\_\_, \_\_, \_\_, \_\_, \_\_****5)** $9:$**\_\_, \_\_, \_\_, \_\_, \_\_** | **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**
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**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? ☺**
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| **Skills: Write the first 5 multiples****1) 3: 3, 6, 9, 12, 15****2)** $7:$ **7, 14, 21, 28, 35****3)** $8:$ **8, 16, 24, 32, 40****4)** $5$**: 5, 10, 15, 20, 25****5)** $9:$ **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** |