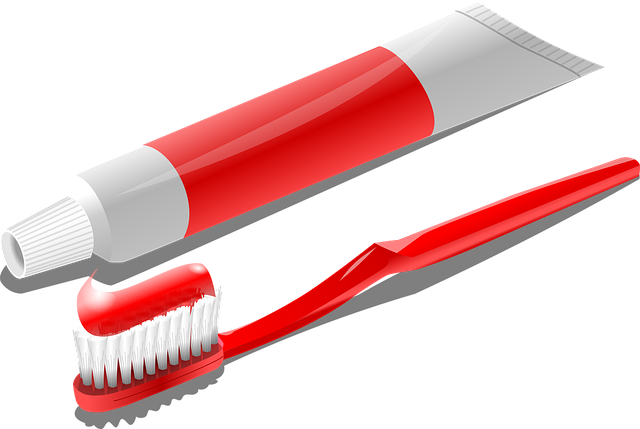
Starter worksheet questions

Circle your answer, then write a brief explanation for your answer or circle “guess”.

| Q1. Which of these is **not** true?  A - An algorithm contains step-by-step instructions  B - An algorithm contains an ordered set of instructions  C - An algorithm is a solution to a problem D - An algorithm has to be written in pseudocode | Q2. Identify the incorrect algorithm which will **not** produce the average of 3 numbers.  **A.**   | 1. **input num 1** 2. **input num 2** 3. **input num 3** 4. **sum = num1+num2+num3** 5. **avg=sum/3** | | --- |   **B.**   | 1. **input num 1** 2. **input num 2** 3. **input num 3** 4. **avg=sum/3** | | --- |   **C.**   | 1. **input num 1** 2. **input num 2** 3. **input num 3** 4. **avg = (num1+num2+num3)/3** | | --- |   **D.**   | 1. **input num 1** 2. **input num 2** 3. **input num 3** 4. **avg = (num2+num1+num3)/3** | | --- | |
| --- | --- | --- | --- | --- | --- |
| **Explain your answer:**  **Or….It was a guess.** | **Explain your answer:**  **Or….It was a guess.** |

| Q3.  Here are the steps for heating soup.  Identify the correct order of steps for this algorithm.   | 1. Your soup is now ready 2. Pour soup into pan 3. When soup is bubbling turn hob off 4. Put pan on hob 5. Pick up pan 6. Turn hob on 7. Turn hob off | | --- |   A - 1,2,3,4,5,6,7  B - 4,5,1,2,3,5,7  C - 3,2,1,4,5,6,7  D - 5, 4, 2, 6,3,1,7 | Q4.  Here is a teeth brushing algorithm. Identify the steps that are in the wrong order.   1. Pick up toothbrush 2. Pick up toothpaste 3. Put toothbrush into your mouth 4. Put toothpaste on brush 5. Brush your top teeth 6. Brush your bottom teeth 7. Put toothbrush back in holder 8. Put toothpaste away   A - 5 and 6  B - 3 and 4  C - 7 and 8  D - 1 and 2 |
| --- | --- | --- |
| **Explain your answer:**  **Or….It was a guess.** | **Explain your answer:**  **Or….It was a guess.** |