The systems of working memory

For each of the following scenarios, filling the blanks with either:

**Central executive**

**Phonological/articulatory loop**

**Visuo-spatial sketchpad**

1. Marie’s mother is changing her baby brother’s nappy. She asks Marie to fetch a new nappy from the bathroom cupboard; she will find them on the left, on the top shelf. Marie remembers that she is going to fetch a nappy using the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and where the nappy is using the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

The systems of working memory

1. Joe is buying a round of drinks for his friends. As he goes to the bar, he repeats the drinks order to himself, and remembers where each of his friends is sitting so he can give them the drinks they ordered. Remembering the drinks order uses the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Remembering where everyone is sitting uses the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Lisa is doing some sums in a workbook. These involve adding two 3-digit numbers, e.g. 548 and 673. She adds the 8 and the 3 to make 11, writes down 1, and holds in her head the 1 she must carry forward while she adds the 7 and the 4. Remembering the number to be carried forward uses the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Helen is doing a puzzle where she has to match a shape with the same shape, chosen from a set of four shapes which are similar, to do this, she must use the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Scott has been asked to go the local shop to buy some groceries. There are five items he needs to buy, and he says them over and over again to himself on the way to the shop. This uses the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Adrian is trying to remember the phone number of a local plumber long enough to dial it. It is a Norwich code, and he holds this information while he repeats the rest of the number to himself. The area code is held in the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and the rest of the number is in the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

For each of the following scenarios, filling the blanks with either:

**Central executive**

**Phonological/articulatory loop**

**Visuo-spatial sketchpad**

1. Marie’s mother is changing her baby brother’s nappy. She asks Marie to fetch a new nappy from the bathroom cupboard; she will find them on the left, on the top shelf. Marie remembers that she is going to fetch a nappy using the central executive and where the nappy is using the visuospatial sketchpad

1. Joe is buying a round of drinks for his friends. As he goes to the bar, he repeats the drinks order to himself, and remembers where each of his friends is sitting so he can give them the drinks they ordered. Remembering the drinks order uses the phonological loop Remembering where everyone is sitting uses the visuospatial sketchpad
2. Lisa is doing some sums in a workbook. These involve adding two 3-digit numbers, e.g. 548 and 673. She adds the 8 and the 3 to make 11, writes down 1, and holds in her head the 1 she must carry forward while she adds the 7 and the 4. Remembering the number to be carried forward uses the central executive
3. Helen is doing a puzzle where she has to match a shape with the same shape, chosen from a set of four shapes which are similar, to do this, she must use the visuospatial sketchpad
4. Scott has been asked to go the local shop to buy some groceries. There are five items he needs to buy, and he says them over and over again to himself on the way to the shop. This uses the phonological loop

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1. Adrian is trying to remember the phone number of a local plumber long enough to dial it. It is a Norwich code, and he holds this information while he repeats the rest of the number to himself. The area code is held in the central executive and the rest of the number is in the phonological loop