**Dimensions**

In the expressions below the letters  and  represent lengths.

Label each expression with a **V** for volume, **A** for Area, **L** for length or **N** for neither.

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Which of these can be added together? Put ticks in those that can and crosses in those that can’t.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | $$cm^{2}$$ | $$m^{2}$$ | $$square feet$$ | $$litres$$ | $$m^{3}$$ | $$ms^{-1}$$ |
| $$cm^{2}$$ |  |  |  |  |  |  |
| $$m^{2}$$ |  |  |  |  |  |  |
| $$square feet$$ |  |  |  |  |  |  |
| $$litres$$ |  |  |  |  |  |  |
| $$m^{3}$$ |  |  |  |  |  |  |
| $$ms^{-1}$$ |  |  |  |  |  |  |

**Dimensions - Answers**

In the expressions below the letters  and  represent lengths.

Label each expression with a **V** for volume, **A** for Area, **L** for length or **N** for neither.

|  |  |
| --- | --- |
|  | A |
|  | V |
|  | A |
|  | **N** |
|  | V |
|  | A |
|  | V |
|  | A |
|  | V |

|  |  |
| --- | --- |
|  | V |
|  | A |
|  | L |
|  | A |
|  | V |
|  | A |
|  | V |
|  | L |
|  | A |

|  |  |
| --- | --- |
|  | L |
|  | **N** |
|  | A |
|  | L |
|  | A |
|  | **N** |
|  | A |
|  | V |
|  | **N** |

Which of these can be added together? Put ticks in those that can and crosses in those that can’t.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | $$cm^{2}$$ | $$m^{2}$$ | $$square feet$$ | $$litres$$ | $$m^{3}$$ | $$ms^{-1}$$ |
| $$cm^{2}$$ | ✔ | ✔ | ✔ | ✘ | ✘ | ✘ |
| $$m^{2}$$ |  | ✔ | ✔ | ✘ | ✘ | ✘ |
| $$square feet$$ |  |  | ✔ | ✘ | ✘ | ✘ |
| $$litres$$ |  |  |  | ✔ | ✔ | ✘ |
| $$m^{3}$$ |  |  |  |  | ✔ | ✘ |
| $$ms^{-1}$$ |  |  |  |  |  | ✔ |