13. In each of the following formulae, every letter stands for the measurement of a length. By considering the dimensions implied by the formulae, write down, for each case, whether the formula could be for a length, an area, a volume or none of these.

The first one has been done for you.

Formula could be for

$d^2 + hr$ area

$4d + 3r + 5h$ ....

$6rh + 5h^2r$ ....

$(d^2 + dh)r$ ....

$5rh + 4r^2 - 7rd$ ....

[2]

10. In each of the following formulae, every letter stands for the measurement of a length. By considering the dimensions implied by the formulae, write down, for each case, whether the formula could be for a length, an area, a volume or none of these.

The first one has been done for you.

<u>Formula could be for</u>

$d^2 - hd$ area

$3r + 8h + 2d$ ....

$(r + 5d)r^2$ ....

$7h + 2hd - d$ ....

$4dh - 3r^2 + hr$ ....

[2]

10. In each of the following formulae, every letter stands for the measurement of a length. By considering the dimensions implied by the formulae, write down, for each case, whether the formulae could be for a length, an area, a volume or none of these.

The first one has been done for you.

<u>Formulae could be for</u>:

$3d^3 - dhr$ volume

$5d - 7h + 3r$ ....

$7rdh - 6dr + d^2$ ....

$(d + 2h)r$ ....

$6r^2h + 5h^2r$ ....

[2]

11. In each of the following formulae, every letter stands for the measurement of a length. By considering the dimensions implied by each formula, write down, for each case, whether the formula could be for a length, an area, a volume or none of these.

The first one has been done for you.

<u>Formula could be for</u>

$4d^2 + 2dh$ area

$10r^3 + 5hr^2$ ....

$4h + 2d - 8h$ ....

$(r^2 - 7hd)h$ ....

$r^2 + 8dh + 3hr$ ....

[2]

12. In each of the following formulae, every letter stands for the measurement of a length. By considering the dimensions implied by the formulae, write down, for each case, whether the formulae could be for a length, an area, a volume or none of these.

The first one has been done for you.

Formula could be for:

$6r^2h + 4r^3$ volume

$6r^2 + 4dh$ ....

$6(r + 4d)h$ ....

$6r^2 + 4dh + 3h$ ....

$6r + 4d + 3h$ ....

[2]