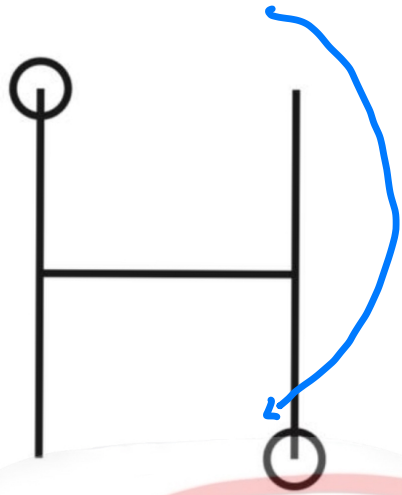
Symmetry

1.



Write down

(a) the number of lines of symmetry of the figure,

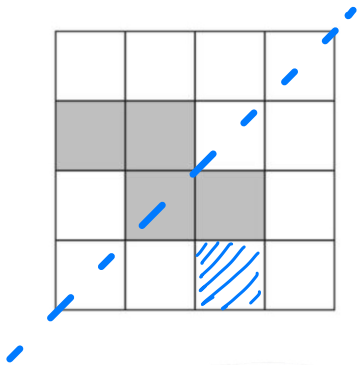
lines of symmetry : 0

(b) the order of rotational symmetry of the figure.

rotational symmetry : 2

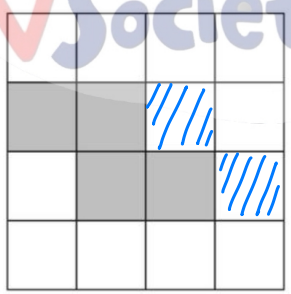
2. A pattern is made using a four by four grid with both grey squares and white squares.

(a)



Shade one more square to make a pattern with exactly one line of symmetry.

(b)



Shade two more squares to make a pattern that has rotational symmetry of order 2

3.

ANGLES

Write down all the letters of the above word that have

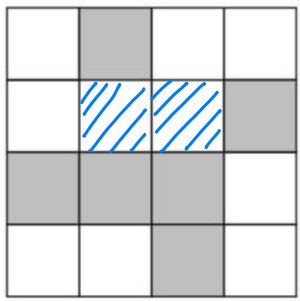
(a) exactly one line of symmetry,

A, E

(b) rotational symmetry of order 2

N, S

4. A pattern on a white grid is made from 6 shaded squares.



Shade exactly 2 more squares so that the 8 shaded squares will make a pattern with rotational symmetry of order 4