

AMAZINGMATHS

Materials:

- A box of multibase blocks or small Lego pieces
- Activity Sheet
- Pencil
- Graph paper

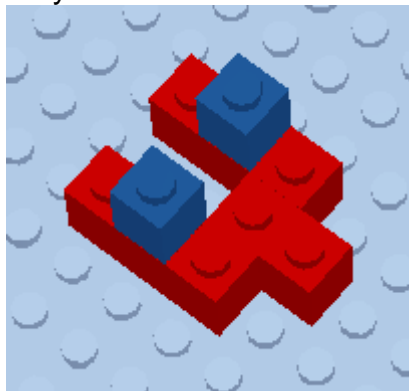
ACTIVITY

- THREE-DIMENSIONAL FIGURES -

Here are the solutions:

Figure 1

Only solution

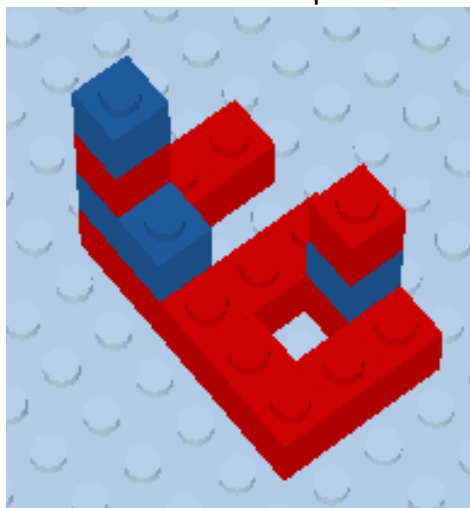


Number of pieces: 10

Figure 2

Several possible solutions

Minimum number of pieces: 18



Maximum number of pieces: 22

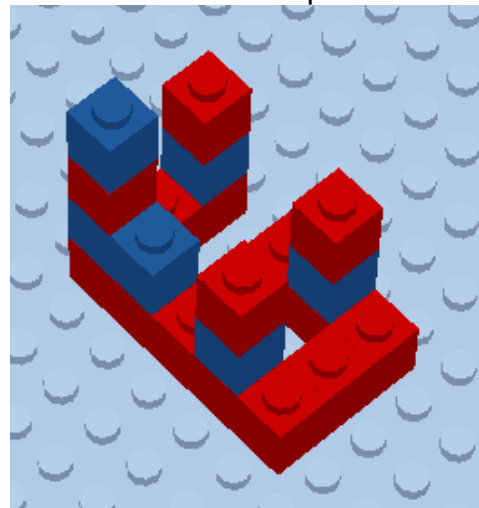
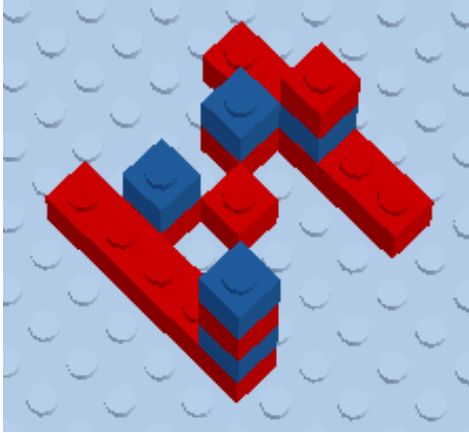


Figure 3

Several possible solutions

Minimum number of pieces: 20



Maximum number of pieces: 26

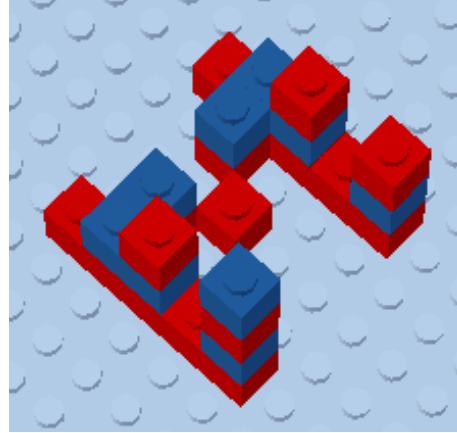
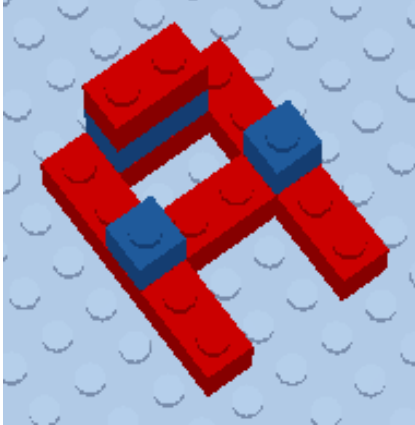


Figure 4

Several possible solutions

Minimum number of pieces: 20



Maximum number of pieces: 24

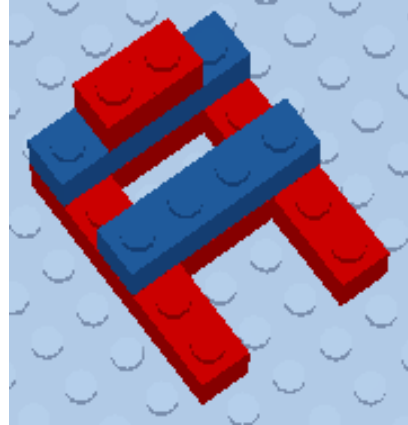


Figure 5

Only solution

Number of pieces: 23

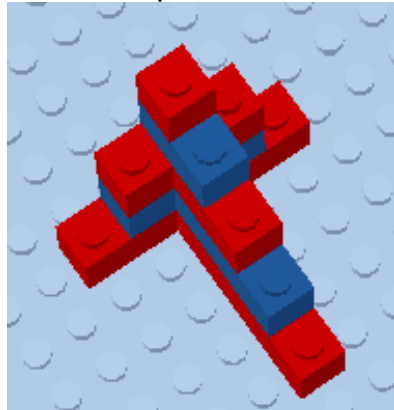
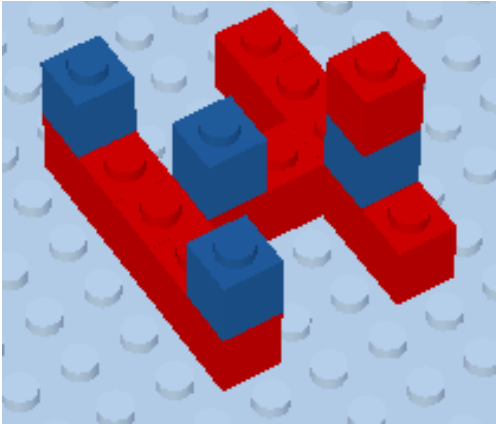


Figure 6

Several possible solutions

Minimum number of pieces: 17



Maximum number of pieces: 22

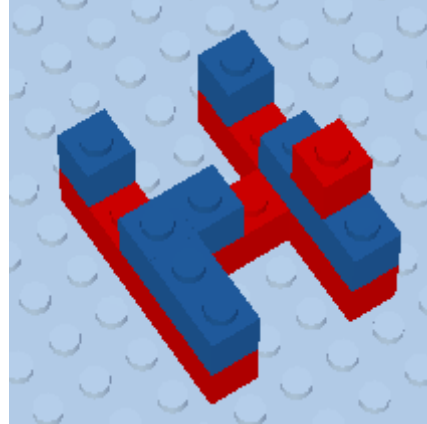
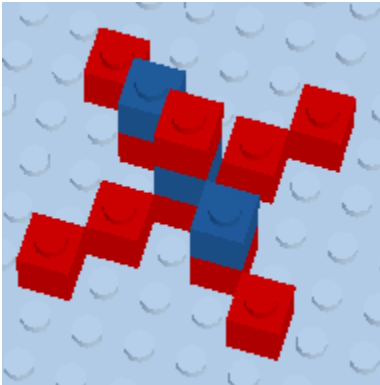


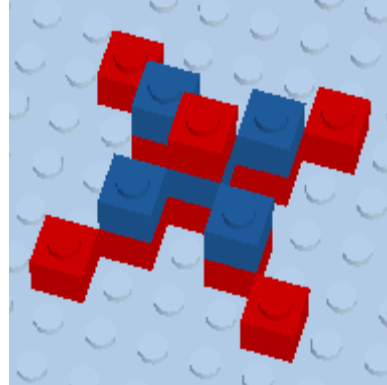
Figure 7

Several possible solutions

Minimum number of pieces: 13



Maximum number of pieces: 15



Note: The figures are built with: <https://www.buildwithchrome.com/>.