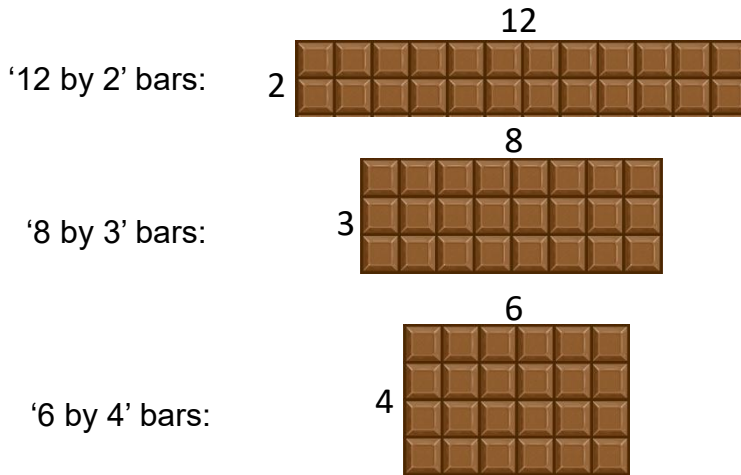


Chocolate factory

When packing bars into trays, each layer contains only one type of bar

Task A

A chocolate factory makes three different types of 24-bars:

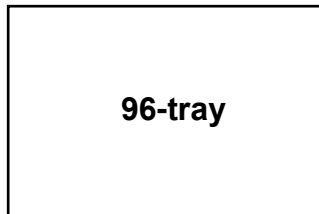


- Find a 96-tray that can be used to pack all three types of 24-bars. Draw diagrams to show how the three types of 24-bars can be packed.

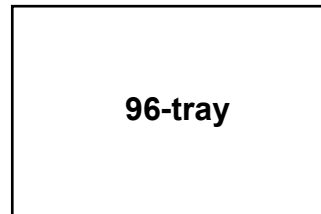
Packing '12 by 2' bars



Packing '8 by 3' bars



Packing '6 by 4' bars



Task B

The chocolate factory also wants to make 30-bars.

- Draw all of the possible types of 30-bars they could make.

Task C

The chocolate factory wants a tray that can be used to pack 24-bars and 30-bars.

- Find a possible tray and draw diagrams to show how the bars can be packed.
- Find another possible tray that can be used to pack the 24-bars and 30-bars.