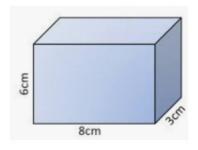
## Volume and Surface Area

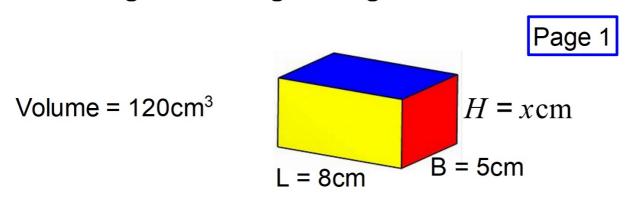


## Calculating a missing side given the Volume

We are going to learn how to calculate the missing side of a cuboid when we are given the volume.

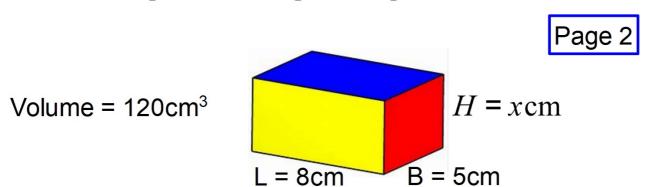
- Read through all of the notes carefully
- CopyPage 2into your notes jotter
- Try the questions on Page 3 in your class jotter

## Calculating a missing side given the Volume



How can we calculate the height of the cuboid?

## Calculating a missing side given the Volume



**Solution** 

$$V = L \times B \times H$$

$$120 = 8 \times 5 \times X$$

$$120 = 40 \times X$$

$$120 = X$$

$$40$$

$$X = 3cm$$

- Write out the formula
- Fill in what you know
- Simplify
- Solve to find x

Calculate the missing side for the cuboids shown below

