

# KIDCODER: LET'S COOK SPAGHETTI BOLOGNESE!

## DECOMPOSITION



**5MIN**



**15MIN**

### STAGE 1

### AIM OF ACTIVITY



What do we do when we face a big problem? One thing that can help is breaking the problem down into much smaller, easier problems.

### WHAT YOU'LL NEED

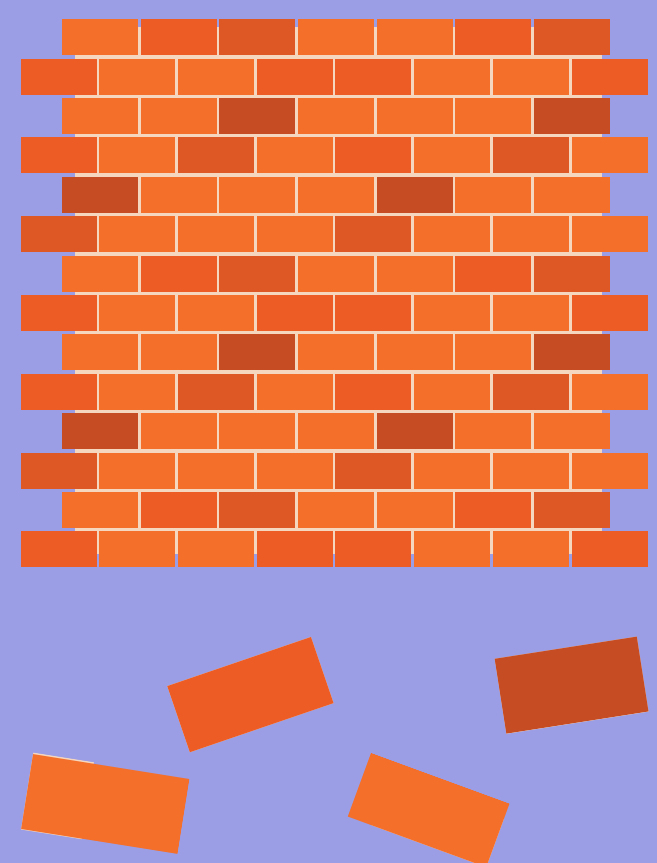
- Each of the steps from the given attachment, cut out, folded and placed into a bowl (mixed up)!

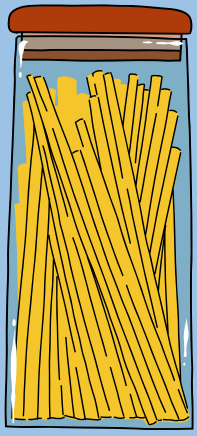
### WHAT YOU'LL GET OUT OF IT

- Understand what it means to use decomposition
- Learn how to use decomposition to cook Spaghetti Bolognese!

## DECOMPOSITION

Decomposition is part of computational thinking and it can be used to break down one big task into smaller, simpler tasks. In the same way, a wall can be broken down into each individual brick. Here we can use decomposition to break down cooking Spaghetti Bolognese into simpler steps!





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## DECOMPOSITION



### WHAT TO DO

(1)

Split up into two teams and stand facing each other.

(2)

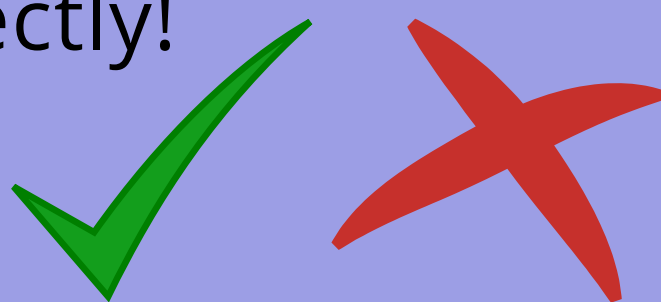
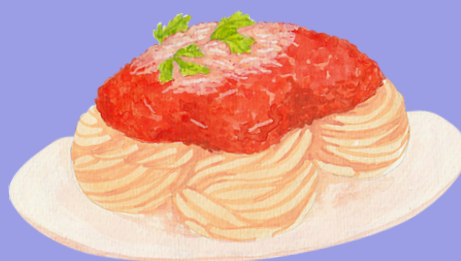
In your teams, nominate a new team member each round to pick a step from the bowl.

(3)

If you are the nominated team member, read the step out loud and try to guess the missing word to get a point! You can get help from your team if needed.

(4)

If the other team gets their guess wrong, you have a chance to steal a point if you can guess the word correctly!



(5)

Once all steps have been guessed, both team should add up their points. The team with the highest score wins!

### USING IN THE CLASSROOM

In pairs, write down the completed steps and see if you can break down each step into two. You should have double the number of steps!

### TAKE IT FURTHER

Using just one of the steps that your team correctly guessed, can you break it down further into 3 more steps?