

# Consilium Academies

## Beyond the Curriculum

10 Maths activities to add some fun to your studies.



### 1. COUNTDOWN

Cut up some paper into squares on 4 pieces of paper write down 25, 50, 75 and 100 (these are your large numbers) and then write down 1-10 on different pieces of paper. You will need two sets of 1-10 (small numbers). Set out the cards face down with the large numbers at the top and one set of small cards underneath. Then choose 6 cards. Once you have chosen, take the second set of small numbers to create a random 3-digit number. The first person to work out how to get to that number with your 6 chosen numbers wins! Remember You can only use each number once!

### 2. THE 24 GAME

Shuffle a pack of playing cards and choose out 4 at random. All you must do is try to get to 24, you can add, take away, multiply or divide.



### 3. YES, NO GAME

Draw out some random shapes on different pieces of card then with someone in your household hold an image on your forehead so you cannot see it, but they can. Ask as many questions as you can to try and work out the shape! But the other person can only say yes or no! You could even try this with GCSE equations!

### 4. MATHS HOPSCOTCH

Pick a number from the times table (maybe one you struggle with) and draw out a hopscotch on the ground put in the numbers for each multiplication and hop over them! It's a great way to learn! Plus its exercise!

### 5. DICE GAME

You need 2 or 3 dice all you must do is get to 100. But go over it and you lose! Take turns in rolling and adding up your dice.



### 6. BATTLESHIPS

Draw out a 10x10 grid on two pieces of paper. Write A-J along the bottom axis and 1-10 up the side. Then plot out your battle ships you need a 5 square ship, a 4 square ship, two 3 square ships and one 2 square ship. Then use coordinates to try and sink your opponent!

### BONUS CHALLENGE

#### Maths Challenge

Create your own maths game! Make sure you share it with your teacher!

### 7. IMPOSSIBLE OBJECTS

Have a go at drawing some optical illusion shapes. All you need is some paper and a pencil!



### 8. SYMMETRY

Draw out something which is totally symmetrical! Maybe an insect or challenge yourself to something complex



### 9. RESEARCH

Research a famous mathematician and explore how their work not only changed maths but managed to change other areas within the world!

### 10. AMAZING MAZE

Challenge one of your household to a maze that you have created! Draw it out with a ruler and block of certain paths or make it even more difficult by drawing it all free hand! See how many attempts it takes your friend to get to the end!