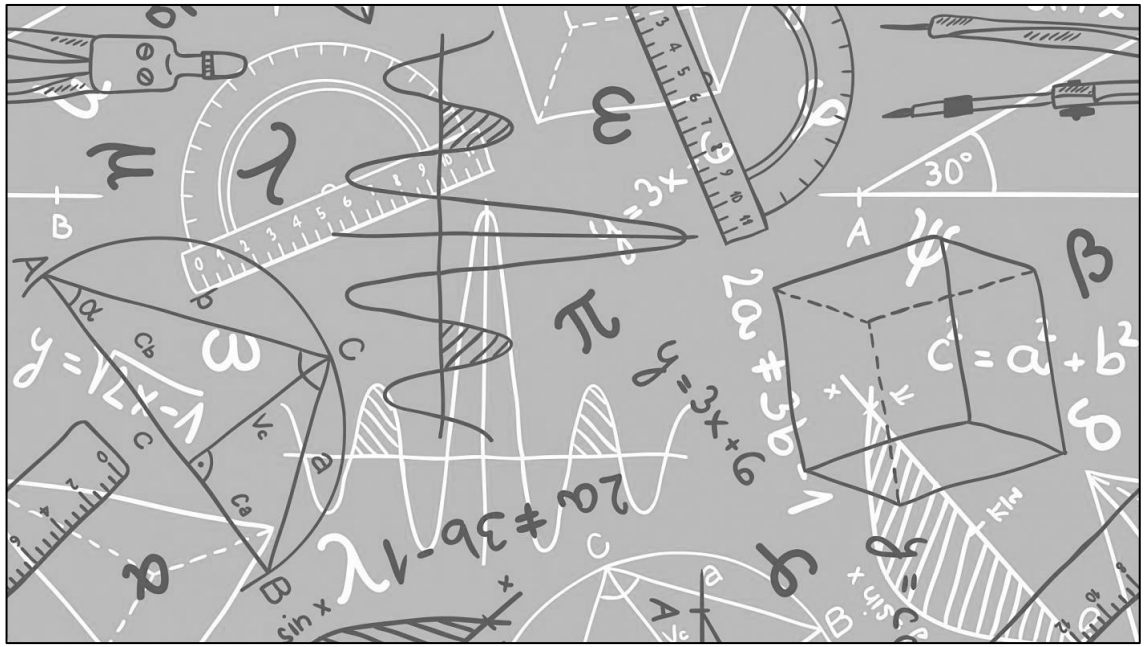
Maths



We can’t wait to meet you…

All the Maths teachers at AGGS are very much looking forward to meeting you, normally on induction day we do some maths together. Unfortunately due to this day being cancelled we won’t meet in person; however, we hope that in completing this booklet you will enjoy doing some maths either on your own or with your family/carers. You don’t necessarily need to print anything out but please bring your solutions to your first maths lesson in September.

The 24 game…

One of our favourite things to do on induction day is to play the 24 game. The aim of the game is to be the first person to make the number 24.

For each game you have 4 numbers, you have to use **ALL** four numbers, you can add, subtract, multiply or divide these to make 24.

Example:

2 2 6 8

To make 24, I can do (8 - 2) x (6 – 2)

8 -2 = 6

6 -2 = 4

6 x 4 = 24

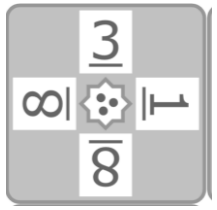
One Dot - Easiest

Now it's your turn, the 24 cards are below they get harder as you go through.

The 24 game…

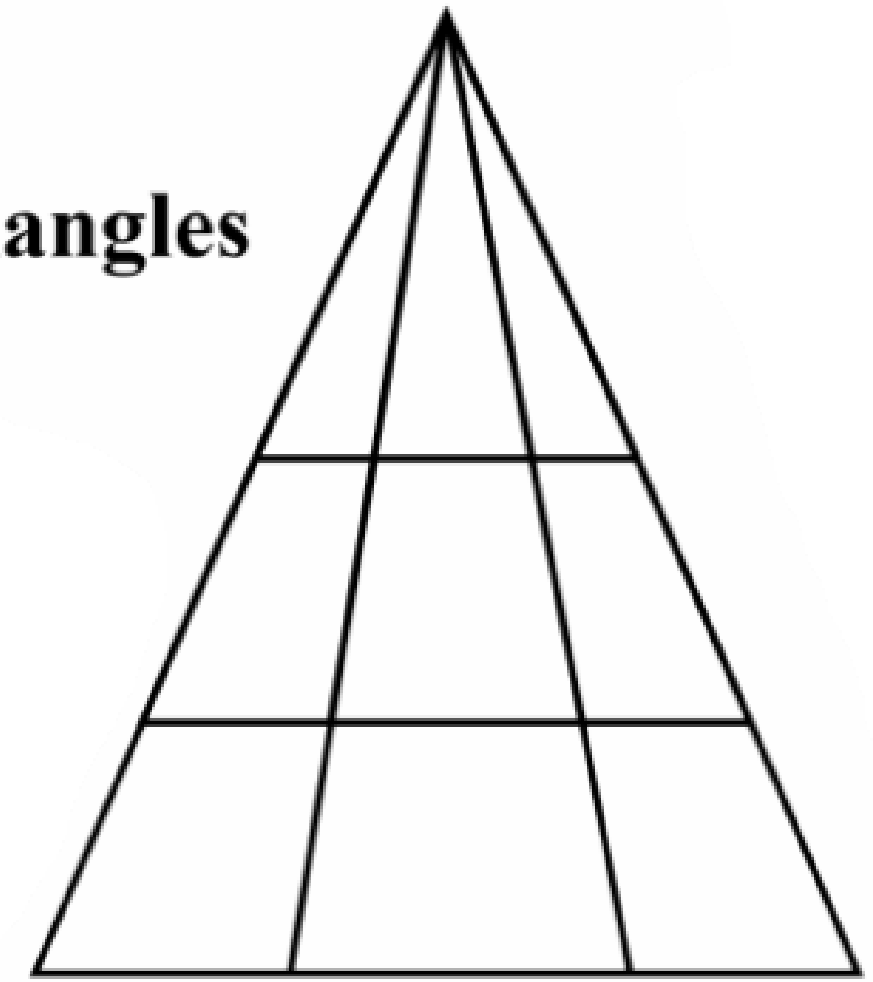
two Dot - medium

three Dot - harder



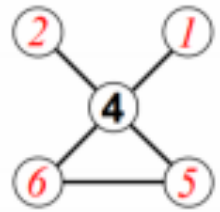
How Many Triangles Are There?

Can you draw some diagrams that illustrate how you found your answer?

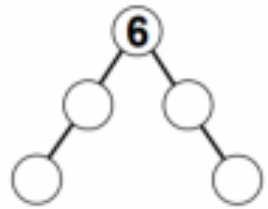


Totalines

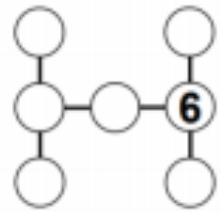
Numbers have to be placed in the empty circles. The numbers to be used are listed under each diagram and no given number may be used twice. The object is to place the numbers so that all those which lie along a straight line, as shown by the lines drawn, add up to the total which is also given under the diagram. The first one has been done for you.



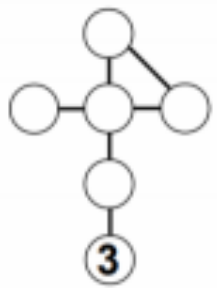
Use 1, 2, 5, 6
Total **11**



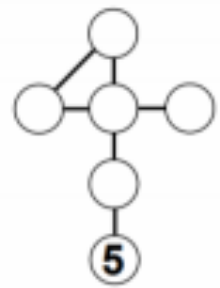
Use 2, 3, 4, 5
Total **13**



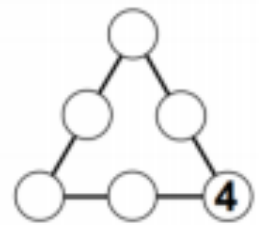
Use 0, 1, 2, 3, 4, 5
Total **10**



Use 1, 2, 4, 5, 6
Total **11**

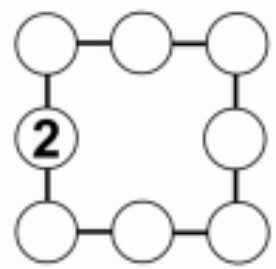


Use 0, 1, 3, 4, 6
Total **10**

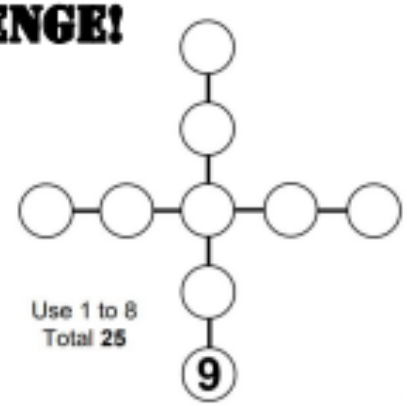


Use 0, 1, 2, 3, 5
Total **9**

CHALLENGE!



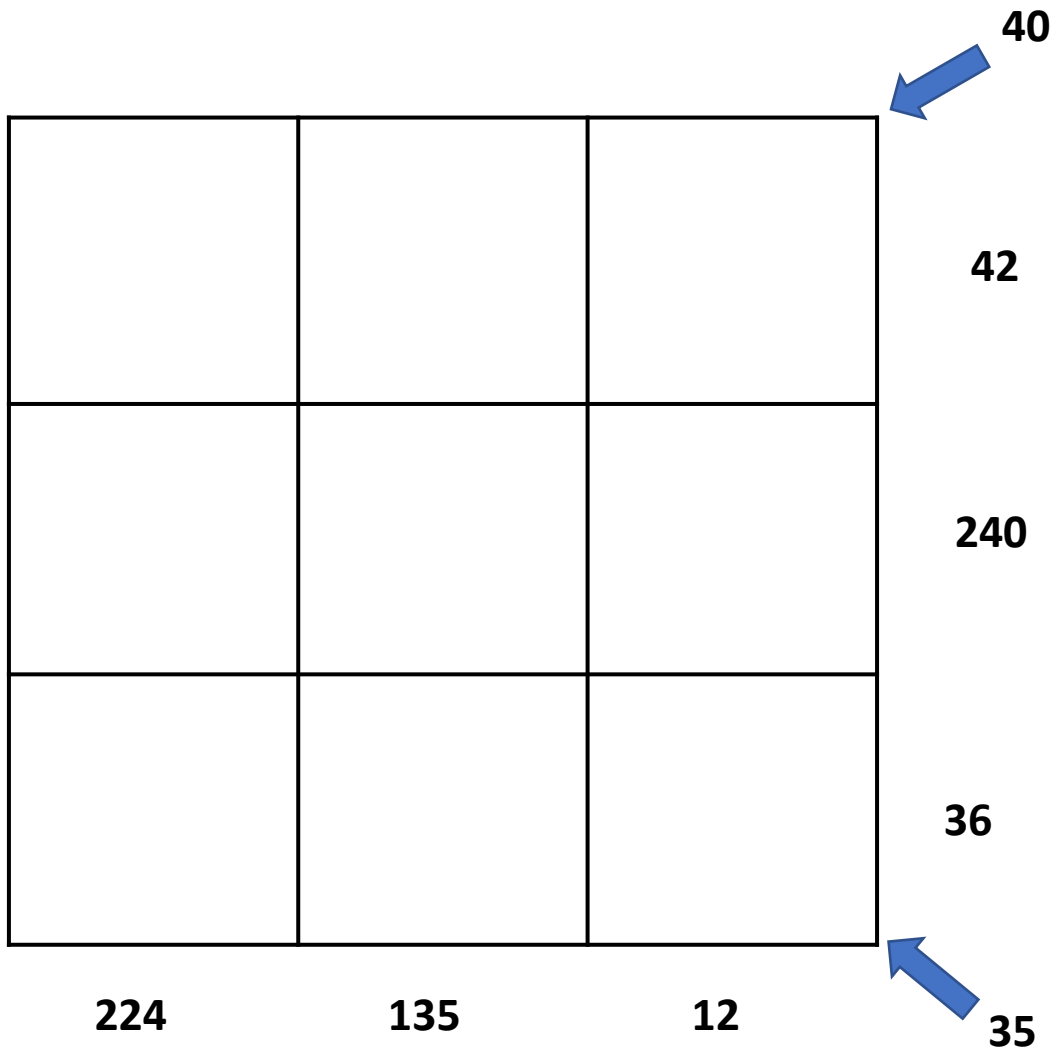
Use 3, 4, 5, 6, 7, 8, 9
Total **18**



Use 1 to 8
Total **25**

Fill in the numbers 1-9 in this magic table

The numbers given on its sides are <u>number products</u> horizontally, vertically and diagonally.



and finally something else to try….

Corbettmaths is a great website – you may have used it when you were at your Primary School. We would like you to keep on top of all the maths you learnt while you were in your old school so why not try some of the 5-a-day Gold (if you want a real challenge you might like to try Platinum) https://corbettmathsprimary.com/5-a-day/

You can find a different challenge for every day over the summer break but we certainly don't expect you to use them all! Whatever you do - don't forget to check your answers.

If you don't have internet access contact the school and we will be able to send you a printed version of some of these 5-a-day challenges.