



St George's College

WEYBRIDGE

## Maths Quest 3

### A bit of a dicey problem



Look at these two dice. If you add together the numbers of dots on them, the total is 2.

When you roll two ordinary six-faced dice like these and add together the two numbers, what results could you get?

Do you have more chance of getting one answer than any other?

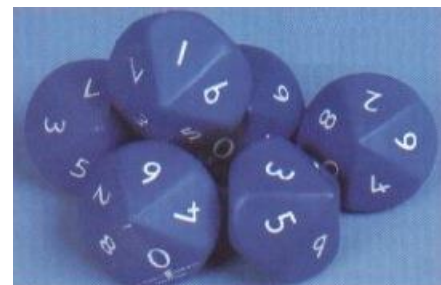
If so, what is that answer? And why?

What if you use a dice with 10 numbers on, like these?

What answers could you get now?

Do you have more chance of getting one answer than any other?

If so, what is that answer? And why?



**Please e-mail Dr Grant with your solutions by 3<sup>rd</sup> March and don't forget to include your name and your school's name.**

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**All correct entries will be displayed on the St George's Weybridge website.**