

The Queen's Birthday Bumps

Did you know that the Queen has two birthdays each year?

Her real birthday (the day she was born on) is the 21st April. Her second birthday (the official celebration) is on the second Saturday of June.

So why not celebrate with some maths fun by giving the Queen birthday bumps!



Don't worry, you won't be throwing the Queen in the air!

Can you think of an object with a picture of the Queen, that you could flip or toss?

Heads and Tails

When a coin is tossed, there are two possible outcomes: Heads or Tails.

So, the probability for it to be heads is 50% or $\frac{1}{2}$ or 0.5.

And the probability for it to be tails is also 50% or $\frac{1}{2}$ or 0.5.

* Try a coin toss experiment



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1. First, decide how many times you intend to toss the coin. It could be 10 or 20 or even 100 times!
2. Predict what you think the outcome will be. For example: If you toss a coin 10 times, how many heads will come up?
3. Record your results as a tally chart

Heads	Tails
 	 

Probability says that heads have 50% chance, so from 10 tosses there should be 5 heads. In fact, you could get 2 heads or 9 heads.

Does the number get closer to 50% the more times you toss the coin?

What are the possible outcomes of tossing 2 coins (perhaps a 2p and 10p)?

Why's this maths?

You are thinking about how likely it is that a coin will land heads side up by using your knowledge of probability to develop and evaluate predictions. You are also recording results and collecting data.

*Please play safely. Coins are not toys and can be a choking hazard for young children.

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