






| Activity 6 - Counting and using number facts |  |
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| Work out a missing number |  |
| What to do Start with 5 counters on a surface. Count them together. Explain that the cup is going to catch some counters and the only way to free them is to say how many are under the cup. <br> - Make a game of the cup hovering over and then 'catching' some counters. Can your child work out how many have been caught underneath using the number of counters remaining? <br> - They may use number facts (3 still free, $3+2=5$ so 2 caught), counting on with fingers ( 3 free, so $4 . . .5$... $=2$ under the cup) or guessing. <br> - Repeat the game. Your child may become more strategic in their working out as they play, or you can reduce the number of counters to help them. <br> - You can repeat this game, changing the number of counters in play. | What you need <br> A cup (optional eyes drawn on) 5-10 counters (cereal shapes, buttons, coins, etc.) |
| Extension <br> Perform the trick together in front of an audience but tell them you are using 'magic'. You could cover the counters with a magic hat (paper rolled in a cone with stars drawn on it) and see if you and your child can hoodwink the audience using magical maths. <br> Use this principle with small animals or people and a box for a building. How many people are in the house/animals in the barn? <br> Reverse roles and get your child to test you. | Questions to ask <br> How many counters are there? <br> What if the cup trapped one? How many would still be free? <br> There are 5 Cheerios. Munch, munch, munch. Now there are two left. How many has the cup eaten? <br> Can we count on to find how many are hidden? <br> If there are 4 still free then how many are under the cup? |

