

# Number Explorer Missions



Find some containers in different sizes, such as a cup, a bowl, a jug and saucepan. Then have a go at lining them up in order of how much you think they can hold. You could then use the cup to fill the containers with water or dry pasta and compare how many cups fit in each container.



Find three bowls, a small one, a medium one and a bigger one. Pretend the bowls are full of porridge and have fun acting out the story of Goldilocks and the Three Bears. Which bowl holds the most porridge and which holds the least?



At bathtime, talk about how much water is in the bath with your grown-up. Can you think of something that holds even more water? Then something that holds even more?



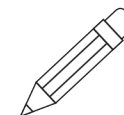
## Play Together

Now you're ready to put on your own magic show. Make and wear your hat that's on the extra sheet and gather the top hats and balls. Hide the balls under the hats and see if your grown-up can guess how many balls fit underneath each hat.

For your next mission, find the episode 'How many Smoothies?'

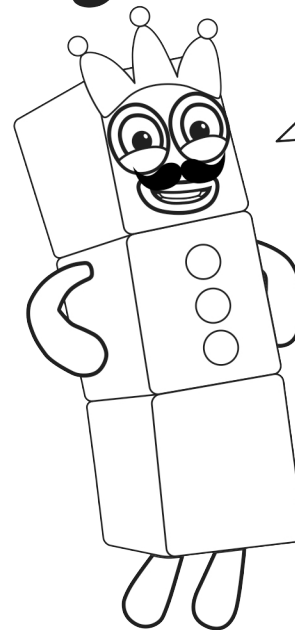
# Making Magic

This mission belongs to \_\_\_\_\_

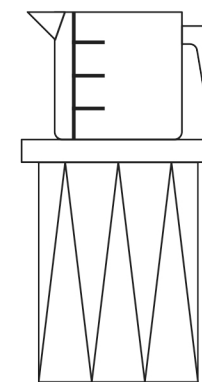


Roll up, roll up! Help Three perform some amazing tricks.

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Come and join the most marvellous magic show in Numberland!



Up to 10



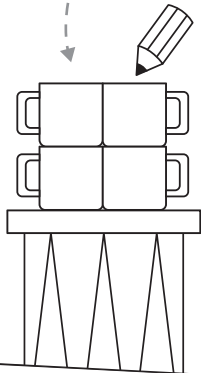
Capacity



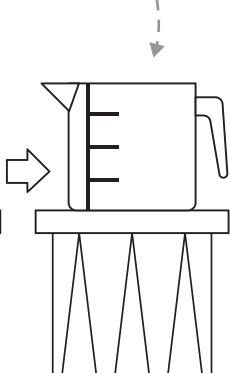
Capacity for Magic

## Trick 1: 4 into 1

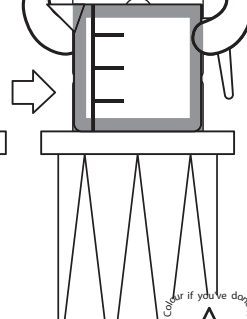
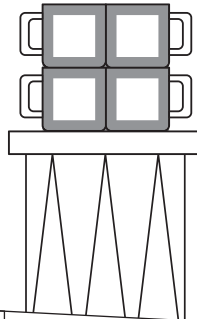
For your first trick. Colour 4 cups of juice.



Then colour in to put the juice into the jug.

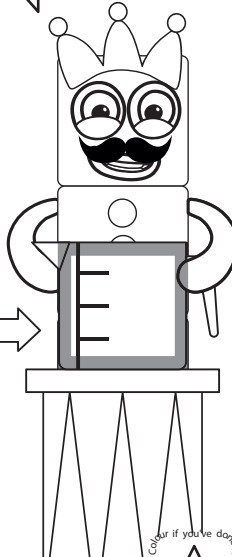


You did it! 4 cups of juice fit inside 1 jug.



Prepare to be amazed!

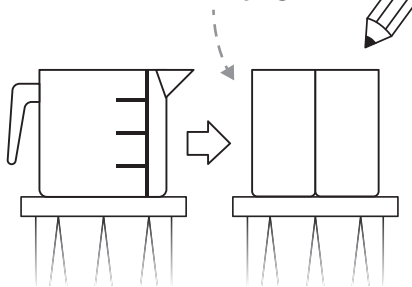
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## Trick 2: 1 into 2

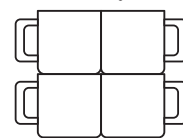
Ta-da!

Next, colour in to fill 2 glasses with the juice from the jug.

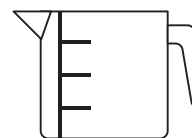


The same amount of juice fits into...

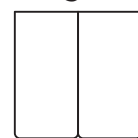
4 cups



1 jug



and 2 glasses!



The amount of stuff that fits in a container, tall or wide, is called capacity!

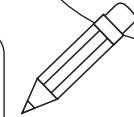
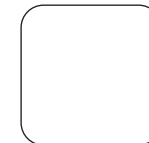
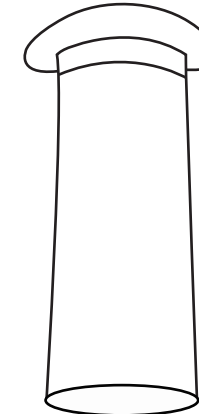
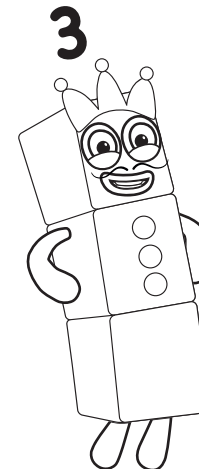
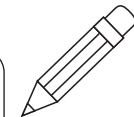
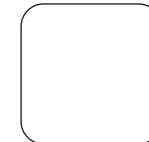
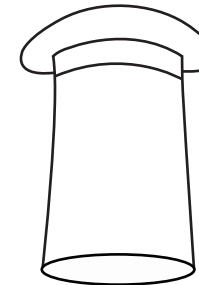
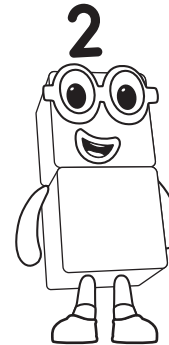
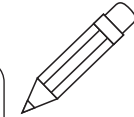
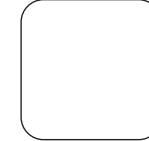
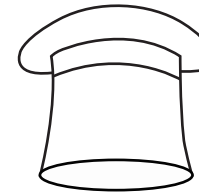
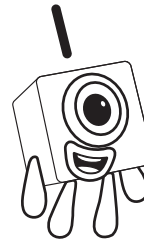


## Trick 3: How many?

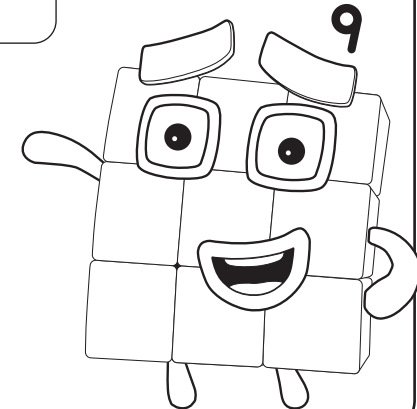
Put balls in the top hats. How many balls fit in each hat?

Tip

You'll need the balls from the extra sheet and your own trick on the next page.



The largest hat holds more balls. It has the most capacity!



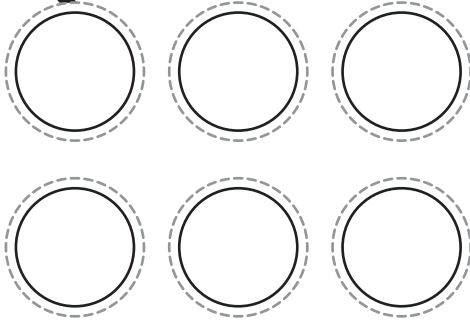
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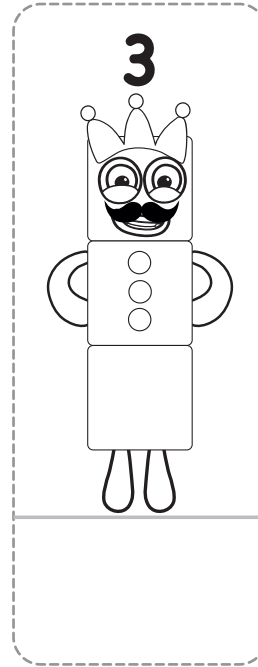
# Capacity Magic!

Colour these bits in first, then snip them out to use for your magic tricks.

Trick 3: How many?

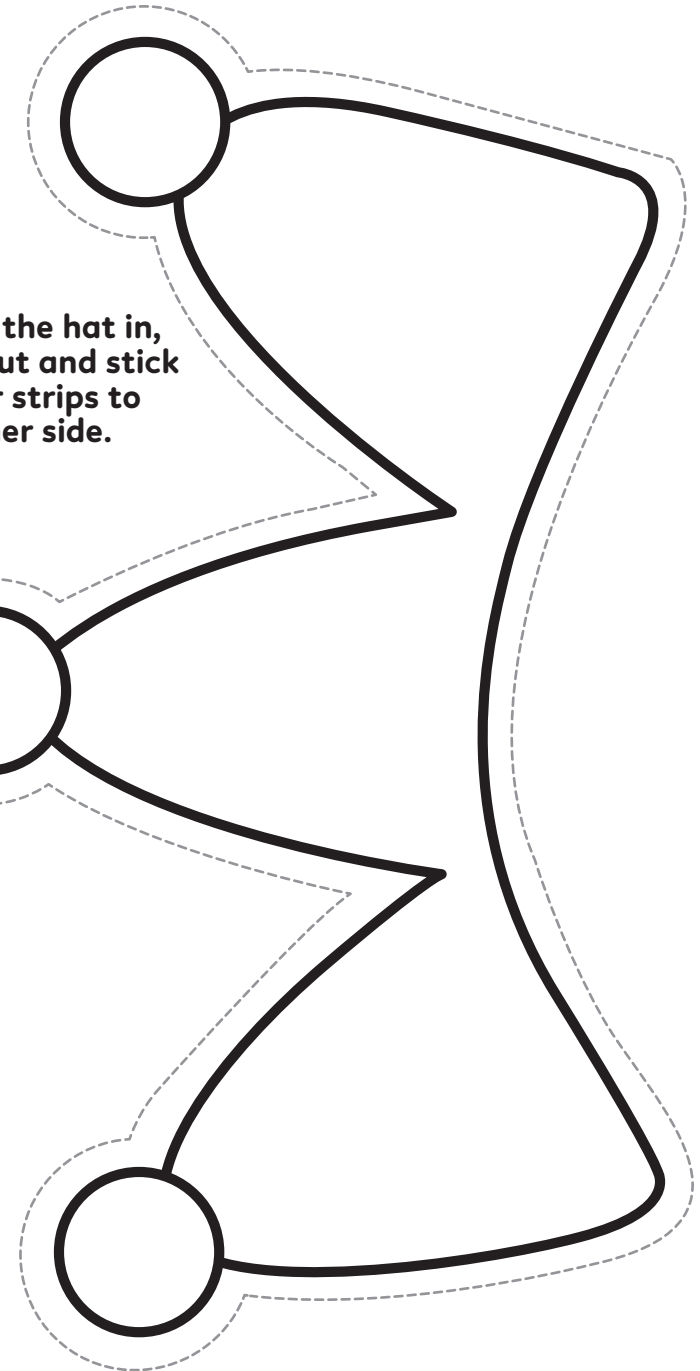


Snip out and fold the tab so Three can stand and watch your magic show!



Make a hat like Three's and wear it for your magic show.

Colour the hat in, snip it out and stick paper strips to either side.



Number explorer mission trick

