

Maths Mastery Home Learning Challenge

Adult Guidance

What Are We Learning?

We are learning about capacity and how to describe how full containers are.

How to Set up the Challenge

- Gather a selection of clear plastic bottles and place them in a tray, sink or bath. You could also use clear plastic cups or containers.
- Fill a jug or bowl with water. You may wish to colour the water using a little food colouring to make it easier to see inside the bottles.
- Encourage your child to explore filling the bottles.
- Your child could try pouring water into the bottles using a jug or they could fill the bottles by holding them in a sink or bowl of water.
- Talk about how full the bottles are with your child. Can they use the words empty, nearly empty, half full, nearly full and full to describe the bottles as they fill them?

How to Get Your Child Thinking

- What can you tell me about this bottle?
- Can you pour some water into this bottle so that it is half full?
- Can you make this bottle nearly empty? How?
- Which bottle is full/empty/nearly full?
- How do you know this bottle is nearly full?
- I think this bottle is nearly empty. Am I correct? Why? Why not?
- How can we change this bottle so that it is nearly full?



Full or Empty?



- Gather a set of plastic bottles.
- Use a jug or bowl to put some water into each bottle.
- Can you tell a grown-up about how full each bottle is?
- Can you fill a bottle right to the top? Can you create a bottle that is half full?