

Calculating 11, Percentages

Mixed Materials?

How this will help your child

- This activity will help your child to understand percentage as the number of parts per hundred.
- It will also support your child in mentally adding together three numbers that total 100.

Words and phrases to use

percentage, per cent (%), in every ..., for every ..., proportion

You will need

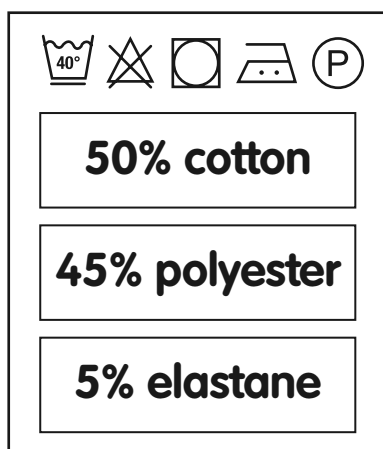
- Scissors

During the activity, look at what your child can do

- Mentally add together three numbers that total 100.
- Make amounts that add up to 100%.

What to do

- With your child, look at the washing label cards and the percentage cards on the Mixed Materials sheet. Explain to your child that each label is made up of a percentage of cotton, polyester and elastane. **1**
- Cut out the washing label cards. Give three to your child and keep three for yourself and place them face up in front of you.
- Cut out the percentage cards and place them in a pile, face down, between you.
- Ask your child to choose a percentage card and place it on one of their washing label cards.
- Take your turn and place a card on one of your washing label cards.
- The aim of the game is to make three washing labels each with three percentage cards totalling 100%.
- Keep taking it in turns to choose a card and place it on the washing label cards.
- If you choose a card you do not want, you can return this to the bottom of the pile (this counts as a turn).
- You may swap a new card with one you already have. You can swap the cards and return the old card to the bottom of the pile.
- The winner is the first person to fill their three washing labels with exactly 100% on each. **2**



Next steps ...

- Look at different clothing labels and compare the percentages of the materials.
- Look for examples of percentages in the local supermarket or newspaper. Talk about what they mean in context, e.g. 50% off, 50% extra free.

50% cotton	75% cotton	30% cotton	35% cotton	65% cotton	80% cotton
45% polyester	15% polyester	30% polyester	35% polyester	10% polyester	15% polyester
5% elastane	10% elastane	40% elastane	30% elastane	25% elastane	5% elastane

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Mixed Materials?

50% cotton	75% cotton	30% cotton
45% polyester	15% polyester	30% polyester
35% cotton	65% cotton	80% cotton
35% polyester	10% polyester	15% polyester
30% elastane	25% elastane	15% elastane
5% elastane	10% elastane	40% elastane