

## The Unstampable Parcel Problem



*You have a whole sheet of 7p stamps and a whole sheet of 5p stamps.*

1. Can you correctly stamp a parcel needing 19p? How?
2. Work out which amounts you can correctly stamp only using 7p and 5p stamps. You can cut out the stamps to help you.
3. Are there any amounts you cannot correctly make?
4. What is the **largest** amount you cannot correctly make.

*Now imagine that you have only 8p and 3p stamps.*

5. What is the **largest** amount you cannot correctly make.

*Now try any two different stamps.*

6. Try to find a rule to work out the largest amount you cannot correctly make.

