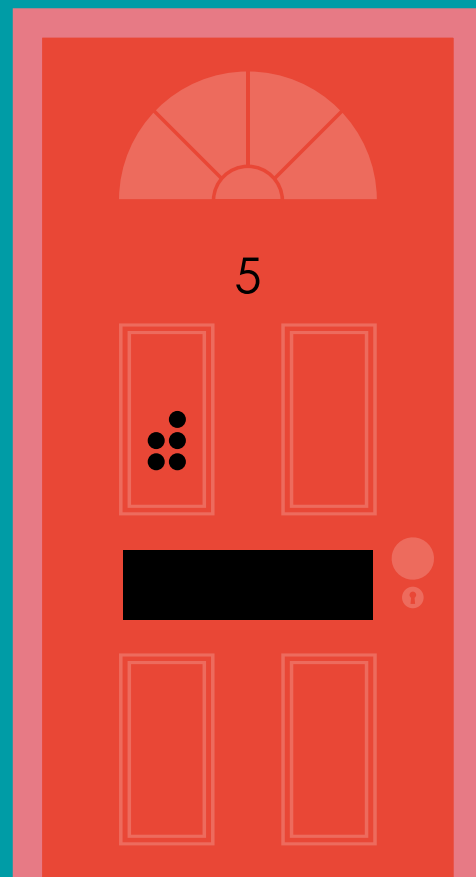


Sorting Office Maths Challenge



Teachers' Notes

Reception and KS1

Supported by



Sorting Office Maths Challenge

Teachers' Notes

Learning Resource Overview

For Reception and KS1 children (aged 4–7 years old)

The resources in this collection provide an introduction to the postal service. Find out how the post is sorted, transported and delivered at each stage of its journey.

Learning Objectives

- Understand the real-world context of how the post is sorted
- Understand what a sorting office is and the different jobs that happen there
- Apply this knowledge to maths-based activities and tasks.

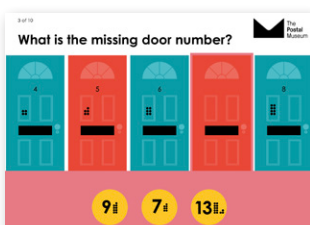
Curriculum Links

- ELGs for number and numerical patterns including odds and evens
- Read and write numbers from 1 to 20 in numerals and words
- Sequence events in chronological order using language
- Recognise and name common 3-D shapes
- Use place value and number facts/number bonds to solve problems.

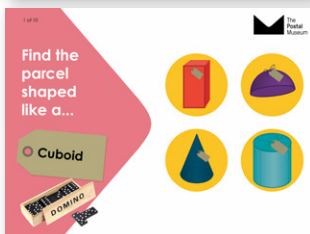
This Learning Resource Contains:

1. 'How does the post get sorted?' – Introduce the concept of a sorting office and the postal journey. Includes 4 videos and PowerPoint presentations along with a printable, card sort activity.

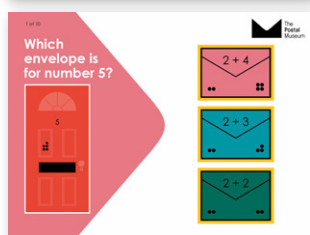
2. Sorting Office Maths Challenge Activities:



Sequence the Streets – Number sequences up to 20. Includes a PowerPoint presentation, 2 differentiated interactive pdfs and a printable activity sheet.



Parcel Shape Sorter – Names and properties of 3-D shapes. Includes an interactive pdf and a printable bingo game.



Postie Number Bonds – Number bonds/facts up to 20. Includes 2 differentiated interactive pdfs and a printable activity sheet.

NB: Throughout all the resources, odd number doors are coloured red and even number doors are coloured blue.

Sorting Office Maths Challenge

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1. How does the post get sorted?

We recommend introducing the **Sorting Office Maths Challenge** to children using the themed PowerPoints and videos detailed below.

Resources

- **What happens when you send a letter?** Video and PowerPoint presentation
- **What is a sorting office?** Video and PowerPoint presentation
- **How are letters and parcels sorted?** Video and PowerPoint presentation
- **What jobs are there in a sorting office?** Video and PowerPoint presentation
- **Card sort - 'What happens when you send a letter?'** Printable activity.

Plenary Ideas

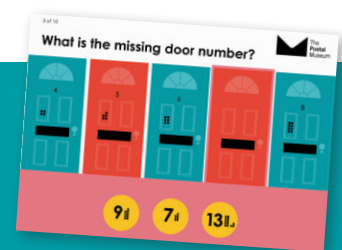
- Find the location of your nearest sorting office/mail centre and your nearest delivery office. Use the online '[Services near you](#)' facility on the [Royal Mail Website](#).
- Discuss as a group what items they may have received in the post. What did their post item look like?
- Talk about why businesses like the postal service use machines:
 - Positive: Speed, accuracy, machines don't need to rest like people do.
 - Negative: Expensive, can't handle unusual items or read unclear writing.

2. Sorting Office Maths Challenge Activities:

Sequence the Streets

Resources

- Sequence the Streets PowerPoint
- Sequence the Streets Level 1 (interactive pdf)
- Sequence the Streets Level 2 (interactive pdf)
- Sequence the Streets (printable activity sheets).



- Use the PowerPoint to introduce the concept of door numbers, orders and sequences, and complete the PowerPoint challenges as a class (slide 8 onwards).
- The interactive pdf's enable children to practise their sequencing skills independently. Level 1 contains numbers up to 10, level 2 contains numbers up to 20.
- The printable activity sheets contain 4 sequencing activities that increase in difficulty.

Plenary Ideas

Assign each child in the class a number from 1 – 30 (or as many numbers as there are children in the class). Ask the children to write their number on a whiteboard or piece of paper (Year 2 could write their numbers as words instead of numerals). Ask the children to arrange themselves as houses in a street, odd numbers on one side, even on the other.

Sorting Office Maths Challenge

Teachers' Notes

Parcel Shape Sorter

Resources

- Parcel Shape Sorter (interactive pdf)
- Parcel Bingo (printable activity).



- The interactive pdf encourages children to visualise 3-D shapes and to learn their names. The resource allows teachers to work with the whole class or a small group, leading the children in finding parcels shaped like 10 different objects.
- The printable bingo style game is a great way to practise shape labelling. Encourage children to call out 'Sorted!' in place of bingo.

Plenary Ideas

- Wrap up real objects to represent the 3-D shapes. Ask children to add a correct shape label to the parcel. See who is able to guess what's inside!

Postie Number Bonds

Resources

- Postie Number Bonds Level 1 (interactive pdf)
- Postie Number Bonds Level 2 (interactive pdf)
- Postie Number Bonds (printable activity).



- The interactive pdf's give children multiple choice options to make a target number. They are provided in 2 levels for differentiation. Level 1 includes numbers up to 10, level 2 includes numbers up to 20.
- The printable activity could be used in small groups. Children 'post' the correct number bond envelope into a 'target' door.

Plenary Ideas

- Teachers could extend this activity by asking children to create more number bond envelopes and doors using the blanks provided at the end of the pdf.

