

Ladders to success

Activity 1

Focus of activity: Count in steps of 50 from 0 to 1000.

Working together: conceptual understanding

- Draw a long line from 0 to 1000, marking and labelling multiples of 100. Count along it in steps of 100.
- Draw a mark half way between 0 and 100. *What number belongs here?* Draw a mark half way between 100 and 200. *What number belongs here?* Repeat for 250, 350... 950.
- Count along the line in steps of 50. Repeat.
- Now challenge children to count in steps of 50 with the line turned over. Repeat.
- Ask children to help you to place the 50s cards (see child instructions) in order in a line from 50 to 1000.
- Children close their eyes as you turn over three non-consecutive cards, e.g. 250, 400 and 750. Children open their eyes and tell you which numbers have been turned over. Turn back over to confirm. Repeat.
- Repeat, but this time turn over three consecutive numbers, e.g. 400, 450 and 500.

Up for a challenge?

Challenge children to count back in steps of 50 from 1000 to 0, with their eyes shut.

Now it's the children's turn:

- Children count in steps of 50 to work out which number belongs at the top of each ladder.
- Go round the group and mark their ladders as they fill them in e.g. initially after three examples.

S-t-r-e-t-c-h:

If children cope well, ask them to draw their own ladder with a number at the top. Their partner works out what number belongs on the bottom rung. Swap roles and repeat.

Things to remember

Remember that when we count in steps of 50 from 50, the numbers all end in 00 or 50. Place the 50 cards in line but this time turn all of them over except 50 and 1000. Point to a card in the line, children work out what number it is. Turn over to confirm. Repeat.

[You may want to add something that has emerged from the activity. This may refer to misconceptions or mistakes made.](#)

Resources	Outcomes
<ul style="list-style-type: none">• Long strip of paper• 50s cards (see child instructions)	<ol style="list-style-type: none">1. Children can count in steps of 50 from 0 and multiples of 50.2. Children begin to count back in steps of 50 from 1000 and multiples of 50.

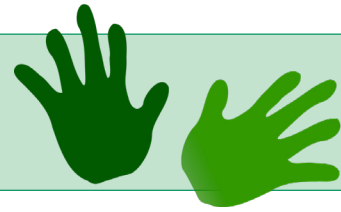
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Work in pairs, but record on your own sheet

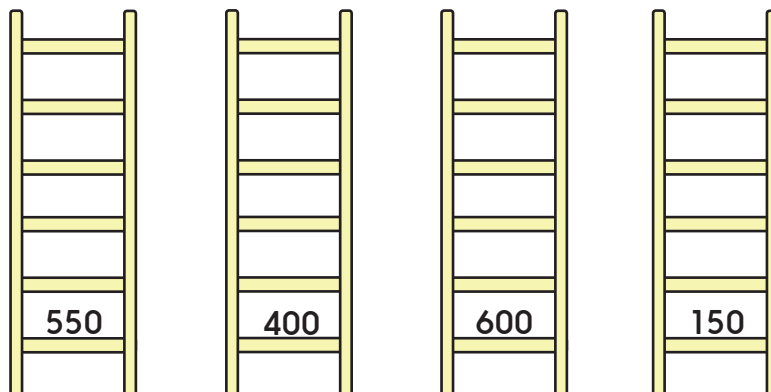
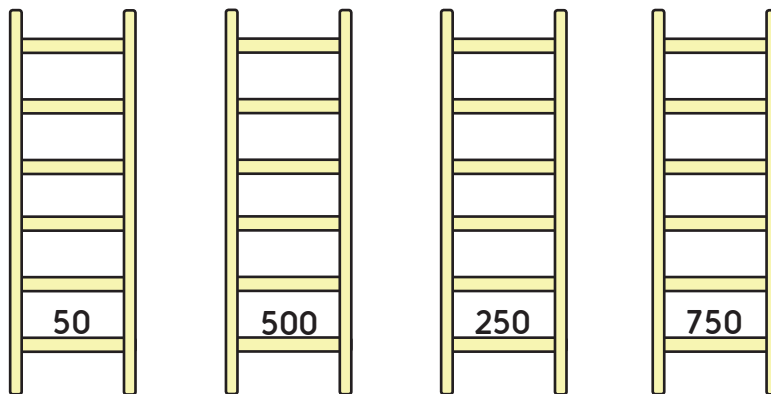
Things you will need:

- A pencil



What to do:

- Count in steps of 50 to work out what number belongs on the top rung.



S-t-r-e-t-c-h:

Draw your own ladder with a number at the top. Ask your partner to work out what number belongs on the bottom rung. Swap roles and repeat.

Learning outcomes:

- I can count in steps of 50 from 0 and multiples of 50.
- I am beginning to count back in steps of 50 from 1000 and multiples of 50.

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50

100

150

200

250

300

350

400

450

500

Ladders to success
Activity 1

550

600

650

700

750

800

850

900

950

1000