

AT A GLANCE

In this lesson we meet 'row' and 'column'. We identify rows and columns on the Hundred Square.

RESOURCES **LANGUAGE AND VOCABULARY**

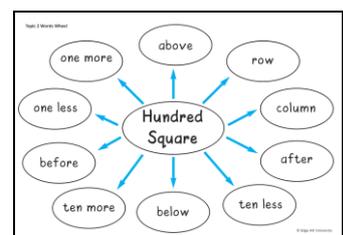
Topic 2 Words Wheel (x 2)
 Hundred Square (x 4)
 Picture Cards set
 Row Poster (x 2)
 Column Poster (x 2)
 Speech Bubble
You may wish to add local photographs and a local newspaper for the pupils to discuss.

row
column

In the Big Book:
 Topic 2 Words Wheel page 2
 Hundred Square page 7
 Row Poster page 9
 Column Poster page 10

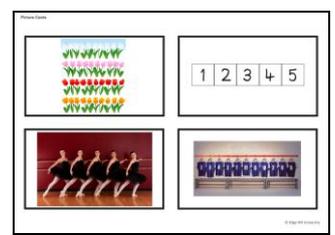
INTRODUCING THE VOCABULARY

Give each pair a Words Wheel sheet and display the Big Book Words Wheel.
 Read the words aloud as a group.
 Explain that today we are going to use the words 'row' and 'column'. Ask the pupils to find them in the wheel and circle them.



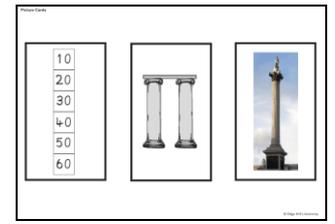
TALKING TOGETHER: EXPLORING ROWS AND COLUMNS

ROW
 Have you heard the word row before? When?
 Have you ever been asked to sit in a row? When? *Cinema, theatre, assembly, school photographs etc..*
 What does sitting in rows look like? *Sitting side by side, straight line, across...*



Using the Picture Cards, ask:
Which of these pictures shows a row? How do you know?
 Display the Hundred Square.
Can you see a row on the Hundred Square?
Can you find a different row?

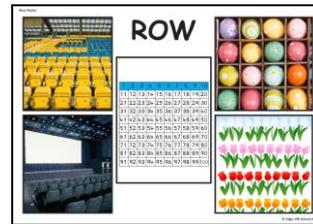
COLUMN
 Have you heard the word 'column' before? When?
 Have you ever seen a column?
 Using the Picture Cards, ask:
Which of these pictures shows a column? How do you know?
How could we describe a column? Up and down, vertical, on top of each other



Display the Hundred Square.
Can you see a column on the Hundred Square?
Can you find a different column?

PAIRED TALK: Identifying rows and columns and giving reasons for our ideas

Give each pair a Row Poster and a Column Poster.
How could we describe these pictures?
Can you identify a row? How do you know?
Can you show me a column? How do you know?



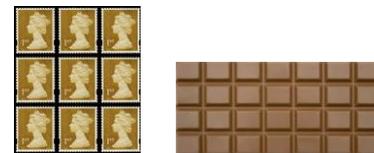
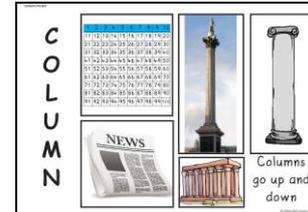
The pupils take it in turns to point at a picture and describe whether it shows a row or a column and why.

To extend the discussion...

Show them pictures where objects are arranged in both rows and columns.

Discuss how rows and columns are used in a newspaper.

Take the group on a Learning Walk. Encourage them to use, identify and describe rows and columns in the school environment.



EXTENDING THE LEARNING: What if...

What would happen if we coloured in one row and one column on the Hundred Square?
What number would we find?

Ask the pupils to colour in the column where all the numbers have 7 units/ones.

Now colour in the row which starts with the number 31 and ends with the number 40.
Which number is in the middle of the cross? Why?

Repeat with other numbers.

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
| 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 |
| 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 |
| 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |

REFLECTING ON THE LEARNING

Using the Big Book Words Wheel, ask:

- What have we been learning about today?**
- What mathematical words did we use to explain our thinking?**
- Can you find these words on the Words Wheel?**
- Can you put these words in a sentence?**
- Can you find a row on the Hundred Square?**
- Can you find a column on the Hundred Square?**



Celebrate success within the lesson for each pupil.

Complete a Speech Bubble to share with other adults (Class teacher, SENCo, Link Teacher etc.)