



**Nelson
Maths**

Simple and engaging ways to start maths lessons for every age

Sometimes you don't even need
to open a maths book to start
exciting conversations with pupils.

Nelson Maths is our latest whole-school course written for learners across the world to help them start and sustain a lifelong journey with maths.

To celebrate the launch of Nelson Maths, we're sharing the covers for each level with you along with some fun activities to try with your pupils.



To learn more or get a free digital evaluation copy, head to
www.oxfordprimary.com/nelsonmaths

Workbook cover activities

The following activities are based on the Starter Level Workbook covers. You can use the following stimulus questions according to children's learning to date.



Identifying and describing

- Ask children to look at one of the Workbook covers. Hold up a 2D or 3D shape. Can children find the drawings of the shape on the cover image? How many different squares, rectangles, circles, triangles, cubes, cuboids, spheres, cones and cylinders can they identify?

Comparison

- Ask children to look at their one of the Workbook covers. Invite children to pick two versions of the same shape, e.g. two rectangles, and talk about what is the same and what is different about them. Ask questions such as: *Which rectangle is bigger, the window or the roof?* (Workbook A), *What is thinner, the slide or the seesaw?* (Workbook B), *What is wider, the shelf or the desk?* (Workbook C).

Pattern

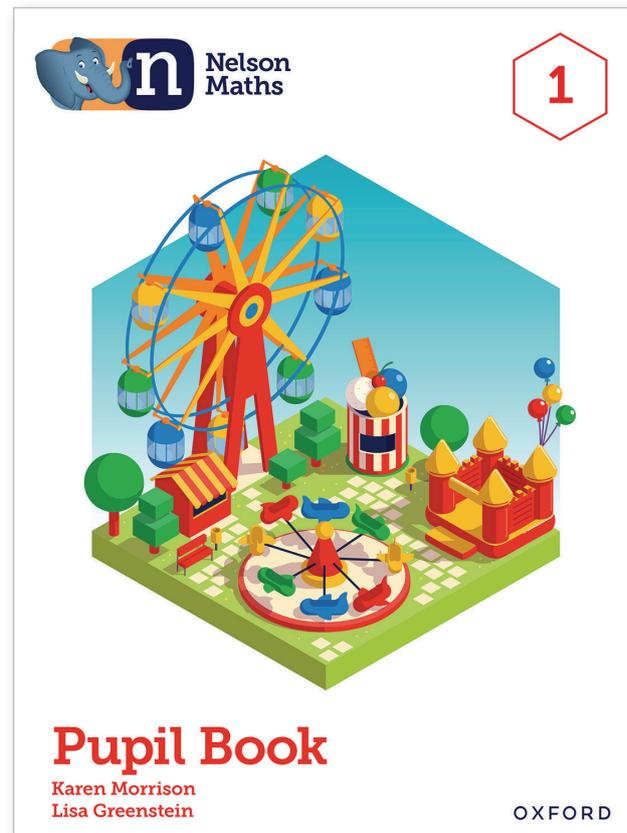
- Ask children to look at the Workbook C cover. Can they spot any patterns? What colour flag would come next on the triangle bunting?

Counting and number

- Encourage children to count shapes or objects on the Workbook covers.. Ask questions such as: *How many clouds/wheels?* (Workbook A), *How many trees? Are there more pointy trees or more round trees?* (Workbook B), *How many triangle flags/chairs can you see? Are there more flags than chairs? How many chairs at each table?* (Workbook C)
- Ask children to look at the Workbook C cover. Ask questions such as: *There are fifteen chairs and three tables, how many chairs for each table?, There are four chairs at a table and one more chair is added, how many chairs altogether?*

Cover activities

The following activities are based on the Level 1 Pupil Book and Workbook cover image. You can use these stimulus questions according to children's learning to date.



Geometry

Identifying 2D shapes and 3D shapes:

How many different 2D shapes can children see? Use shape-name flash cards as prompts to help them find the circles, squares, rectangles and triangles. How many different 3D shapes can they see? If needed, show children 3D shapes as prompts to help them find the spheres, cubes, cuboids, cones, cylinders and prisms. Pick shape names and ask the children how many of each shape they can find.

Ask questions such as:

- What shapes can you see in the bouncy castle?
- Can you see cones anywhere else?
- How many yellow spheres are there?
- Point to a square. Did your partner point to the same square? How many more squares are there?
- Which shapes can you see on the ice cream stall?

Pattern:

Ask the children if they can spot any patterns.

Ask questions such as:

- What colour aeroplane comes before a red aeroplane on the ride?
- On the big wheel, what colour carriage comes after blue?
- Is there a pattern on the ice cream stall? What about the other stall?

Cover activities

The following activities are based on the Level 2 Pupil Book and Workbook cover image. You can use these stimulus questions according to children's learning to date.



Number

Number facts:

Ask the children to tell you any number facts they can see. Ask questions such as: *Are there an even or odd number of animals, trees, clouds, buildings, wheels, tractors, windows?*

Compare using $<$, $>$ or $=$:

Ask the children to write sentences using $<$, $>$ or $=$ to compare:

- The amount of sand in the red and blue truck
- The number of each animal, e.g. number of sheep = number of goats
- The number of round trees and the number of pointy trees
- The number of clouds and the number of buildings

Can they think of a comparison question to ask their partner about the cover?

Geometry

Identify 3D and 2D shapes:

Ask the children how many different 2D and 3D shapes they can see. Can they identify any 2D faces on the 3D shapes? Encourage children to describe the properties of the shapes – ask how many faces, edges and vertices they have.

Parallel lines:

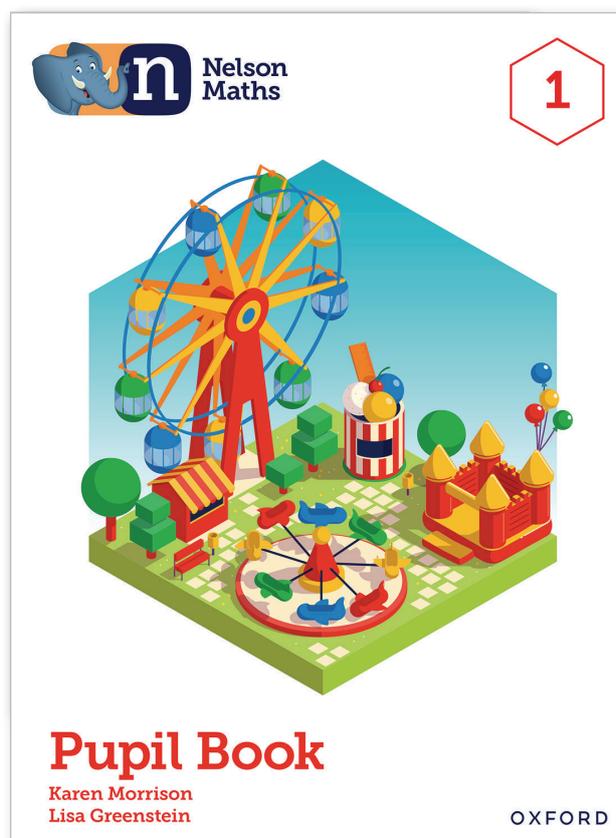
Ask the children if they can see any parallel lines. Are they straight or curved? How do they know they are parallel?

Line symmetry:

Ask the children if there are any lines of symmetry, or shapes/objects with lines of symmetry? Give children small mirrors for support.

Cover activities

The following activities are based on the Level 3 Pupil Book and Workbook cover image. You can use these stimulus questions according to children's learning to date.



Geometry

Spotting shapes, lines and angles:

How many different 2D and 3D shapes can children see? Can they identify 2D faces on the 3D shapes? Encourage children to describe the properties of the shapes – ask how many faces, edges and vertices they have. Can they identify right angles or angles bigger/smaller than right angles? Talk about the amount of turn the cranes might make. Look at the tessellating triangle patterns, ask what amount of turn the triangles have moved through. How many parallel, perpendicular, horizontal and vertical lines can the children find?

Recognising patterns:

Ask questions such as: *Can you see any repeating patterns? What's the rule? What would come next if you extended the pattern?*

Encourage children to notice patterns where the objects change shape, size or orientation, not just colour. E.g. the tessellating triangles on the buildings, or the growing patterns in the vehicles and the posts next to the fountain.

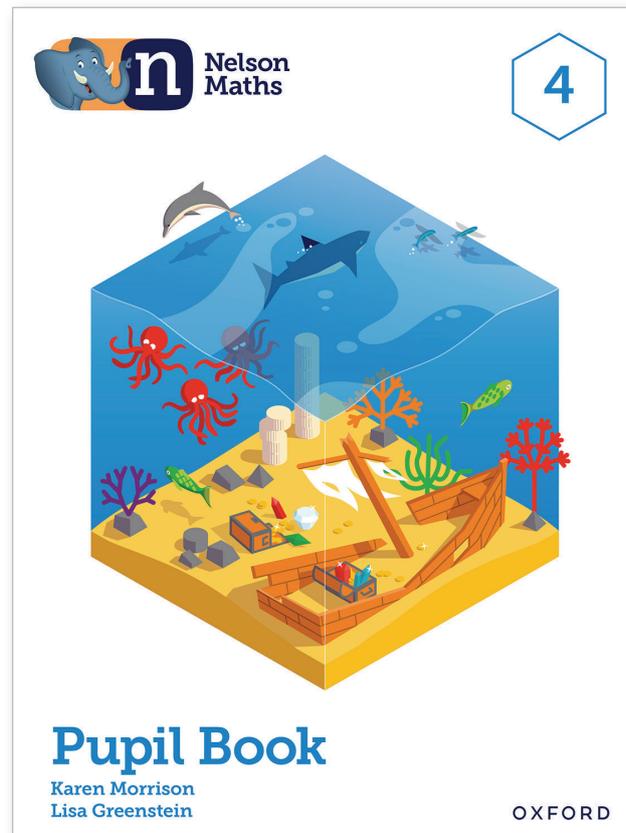
Measure

Roman numerals and time:

Ask questions such as: *Are there any numbers in the picture? Which numbers can you see? What time does the clock show? What time would one hour later be?*

Cover activities

The following activities are based on the Level 4 Pupil Book and Workbook cover image. You can use these stimulus questions according to children's learning to date.



Number

Multiplication problems:

Ask: *How many legs does one octopus have?*
Ask the children to record a multiplication sentence to find the total number of octopus legs. Can children write any other multiplication sentences using the cover image? For example, the orange coral has 3 lots of 3 branches, in total it has 9 branches. It has three leaves on each branch, in total it has 27 leaves.

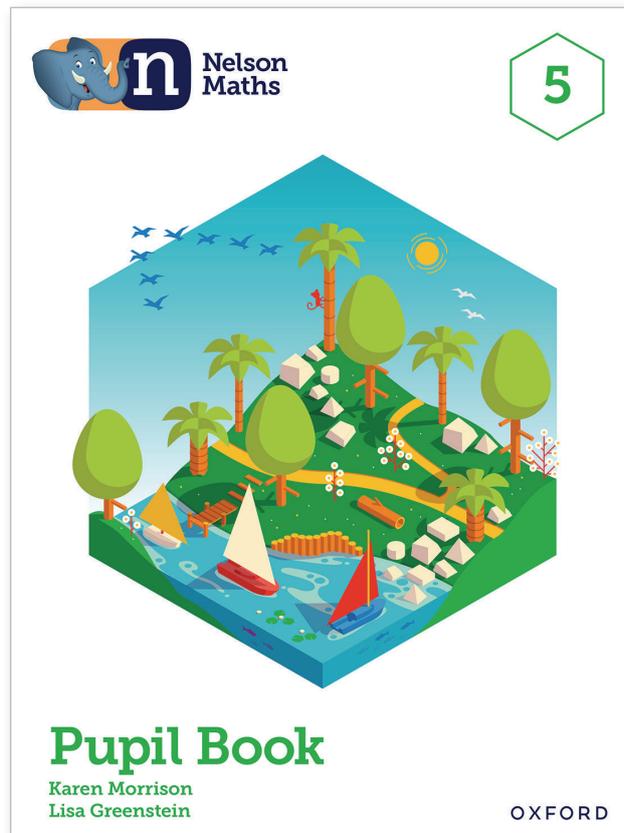
Geometry

Spotting shapes and angles:

How many different 2D and 3D shapes can children see? Can they identify 2D faces on the 3D shapes? Encourage children to describe the properties of the shapes, are the 2D shapes regular or irregular? Can they identify right, acute or obtuse angles in the picture? How many parallel, perpendicular, horizontal and vertical lines can the children find? Are there any lines of symmetry? (Give them small mirrors for support and encourage them to explore the coral.)

Cover activities

The following activities are based on the Level 5 Pupil Book and Workbook cover image. You can use these stimulus questions according to children's learning to date.



Number

Continue the sequence:

Can children see any number patterns? Ask them to record the sequence of flowers on each plant (3, 6, 9, 12), and branches on the rounded trees (1, 2, 3, 4). Can they identify the rules and continue the patterns?

Spotting doubles and halves:

Can children see any double or half relationships? Encourage them to look at the groups of fish and numbers of flowers. Can they record the double or half relationships as calculations?

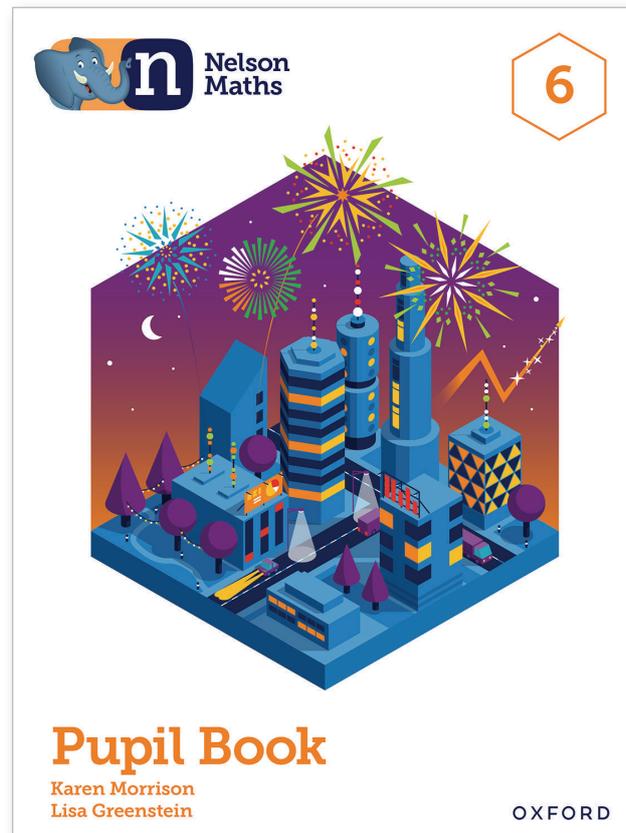
Geometry

Shapes around us:

How many different 2D and 3D shapes can children see? Can they identify 2D faces on the 3D shapes? Encourage children to describe the properties of the shapes. Are the 2D shapes regular or irregular? What kind of triangles are the sails? Can they identify right, acute or obtuse angles in the picture? What angle do the flying birds make? How many parallel, perpendicular, horizontal and vertical lines can the children find? Are there any symmetrical objects? Encourage the children to compare the heights and widths of objects, like the tree trunks.

Cover activities

The following activities are based on the Level 6 Pupil Book and Workbook cover image. You can use these stimulus questions according to children's learning to date.



Number

Arrays:

Can children use their knowledge of arrays to tell you how many windows there are on certain buildings, without counting each window? Encourage the children to record their calculations.

Geometry

Shapes around us:

Ask the children how many different 2D and 3D shapes they can see. Encourage children to describe the properties of the shapes. Can they identify types of angles in the picture? How many parallel and perpendicular lines can the children find? Are there any lines of symmetry? Ask children to tell you as many shape facts as they can about one building at a time.

Patterns around us:

Can children see any patterns? Encourage them to look for repeating, growing and tessellating patterns. Can they explain the rule and tell you what the next term would be? What about the third or tenth term?

Statistics

Charts and graphs:

- Can the children spot anything that looks like a chart or a graph? Support them to find the representation of the pie chart and line graph in the fireworks, and the pie charts and bar charts on the signs on top of the buildings.
- Ask children what each graph tells you. Agree there isn't enough information on the graphs to know what they're about, and discuss what information is missing.