Oxford International Primary Maths

List of resources

Year 5

1: Number and Place Value

- Counting stick
- Mini whiteboards and markers
- Place value charts (ones to hundred thousands)
- 0–9 digit cards
- Results from a recent 100 m sprint with individual competitors on separate strips of paper
- Place value grids (as shown in Introductory activity)
- Counters of two different colours
- Paper
- Scissors
- Interlocking cubes for pairs of students

2: Fractions, Decimals, Percentages, Ratio and Proportion

- Counting stick (or metre rule)
- A5 paper (of two colours or plain and squared)
- Scissors
- Glue
- Mini whiteboards and markers
- Six 3 cm-wide strips of A4 paper, cut across the width, for each student
- Fraction strips from previous lesson
- A4 paper
- Rulers
- Counters
- 0–9 digit cards
- Till receipts showing prices to two places of decimals
- Catalogues or newspapers containing measurements to two places of decimals
- Food packaging and/or clothing labels
- Blank 100-squares
- Large sheets of flip chart paper and felt tip pens
- Coloured counters or cubes
- Large sheets of paper

3: Mental Calculation Strategies

- Mini whiteboards and markers
- Pendulum (three interlocking cubes on a piece of string)
- 0–9 digit cards
- Centimetre-squared paper
- Dice
• Counting stick (or metre rule)
• Different-coloured counters
• A3 paper for groups to use for activity on page 59 of Student Book

4: Written Calculation
• Mini whiteboards and markers
• Large sheets of paper and felt pens
• Digit cards
• Dice
• A3 sheets of paper

5: Shape
• Mini whiteboards and markers
• Models of a cube, cuboid pyramid, sphere, hemisphere, cone, cylinder, triangular prism, tetrahedron
• String
• Different-coloured counters,
• Paper
• Small mirrors
• Coloured pencils
• Set of equilateral triangles cut out of card
• Card
• A4 paper
• Scissors
• Rulers
• Set squares
• 3D shapes: sphere, cylinder, cone, cube, cuboid, tetrahedron, square-based pyramid, triangular prism, pentagonal prism, hexagonal prism
• Examples of different boxes that can be opened up to give a range of nets. Include boxes which are different prisms and pyramids
• Sticky tape
• Modelling clay
• Large flip chart paper to create posters
• Protractors
• Mirrors
• Plain and squared paper
• Tracing paper

6: Position and Movement
• A collection of 3D shapes
• Plain paper
• Pencils
• Squared paper
• A map or plan of the local area with coordinates
• Mirrors
• Any simple polygon cut out of card
• Card copy of the arrow for the Learning review
• Counters
7: Length, Mass and Capacity
- Mini whiteboards and markers
- Coloured pencils
- Large sheets of paper
- Squared paper
- A4 paper
- Pieces of string about 20 cm in length
- Modelling clay
- Rulers/tape measures
- Metre sticks,
- Weighing scales
- Items of food to weigh
- 1 kg bags of rice
- Measuring jugs
- Range of packaged liquids such as an individual box of juice; a small fruit juice, a can of drink and so on
- A glass
- A 1 litre bottle of water
- A range of different containers
- Digit cards

8: Time
- Mini whiteboards and markers
- Analogue clocks
- Calculators
- Local bus or train timetables
- Collection of TV guides
- Digit cards
- Calendars for students to refer to

9: Perimeter and Area
- Mini whiteboards and markers
- cm-squared paper
- Rulers
- Scissors
- Sticky tape or glue
- Pencils
- A3 paper

10: Frequency Tables and Pictograms
- Squared paper
- Pencils
- Two large sheets of paper: one with ‘Impossible’ and one with ‘Certain’ written on it
- A4 pieces of paper with the following events written on them:
  - It will go dark tonight.
  - It will rain in the next year.
  - I will be late for school tomorrow.
  - Somebody in the class will have a birthday in August.
  - Somebody in school will have a birthday today.
  - I can be in two places at the same time.
- Coins
• Dice
• Large sheets of paper
• Rulers
• Pens and pencils