

Assess and Review

Key objectives to be assessed

Assessment Lesson 1:

- **Know and use halving as the inverse of doubling.**
- **Choose and use appropriate operations and efficient calculation strategies to solve problems, explaining how the problem was solved.**

Assessment Lesson 2:

- **Know by heart multiplication facts for the 2- and 10-times tables.**
- **Choose and use appropriate operations and efficient calculation strategies to solve problems, explaining how each problem was solved.**

Photocopiable pages

Doubles and halves (p127); Multiplication triangles (p129); Missing number cards (p130); Assessment test (p131-132).

Equipment

Interlocking cubes; ruler; rice; weighing scales; cups; measuring jug.

Assessment Activities

Mental maths assessment

1. Know by heart all addition and subtraction facts for each number to at least 10 **f**

Ask the children to fill in the numbers on the 'Missing number cards' (p130), explaining that the numbers in the circles must be ten or less.

Probing questions

- *Can you show me all the pairs that make nine?*
- *Can you show me pairs of numbers that have a difference of three?*

2. Recognise odd and even numbers **b**

Give each child a handful of interlocking cubes.

Probing questions

- *Can you use these to make two equal towers? How many different equal towers can you make?*
- *Can you use these to make two unequal towers? Are these odd or even?*

3. State the subtraction corresponding to a given addition and vice versa **h**

Write on the board: $12 + 5 = 17$.

Probing questions

- *If you know that $12 + 5 = 17$, what else do you know?*
- *How can you check without calculating?*

Practical maths assessment

1. Estimate, measure then compare lengths, masses and capacities using standard units; suggest suitable units and equipment for such measurements **m**

2. Read a simple scale to the nearest labelled division, including using a ruler to draw and measure lines to the nearest centimetre **n**

Ask the children to do the following:

- Draw an estimated line of 20cm, then measure it.
- Estimate how many cups of water will make a litre and then find out.
- Collect an amount of rice that you think will weigh close to $\frac{1}{2}$ kg and weigh it.

Probing questions

- *What can you use to check to see whether you are right or not?*
- *Was your estimate close?*

Written maths assessment

Distribute the Assessment test on p131 and p132.

1. Order whole numbers to at least 100 **c**

- *Which number will go at the end? Why?*
- *Which numbers will you look at to say which is the greatest out of 32 and 41? Why?*

2. Understand subtraction as the inverse of addition **e**

- *If you know that $16 - 5 = 11$, what would add to 11 to get 16? Explain why you think this.*

3. Know and use halving as the inverse of doubling **i**

- *What do we mean by doubling? How do we double a number?*
- *What do we mean by halving? How do we halve a number?*