## Addition, Subtraction, Multiplication and Division: Estimation Reasoning

| Aim: <br> Use estimation to check answers to <br> calculations and determine, in the context of a <br> problem, an appropriate degree of accuracy. <br> I can solve reasoning questions involving <br> estimation. | Success Criteria: <br> I can round numbers to a certain degree of <br> accuracy. <br> I can use mathematical language to explain my <br> reasoning. | Resources: <br> Lesson Pack |
| :--- | :--- | :--- |

Prior Learning: | It will be helpful if children are familiar with the methods used to solve addition, subtraction, multiplication and division problems |
| :--- |
| and can round numbers to a certain degree of accuracy. |

## Learning Sequence

Estimation Reasoning 1a: Use the step-by-step slides from the Lesson Presentation to model how to use rounding
to estimate the answer to a question.
Estimation Reasoning 1b: Recording their answers on the Estimation Problems Talk Partner Activity Sheet, the partner to apply the strategy to a similar question, explaining their reasoning. Display the answers
on the Lesson Presentation and discuss.
Estimation Reasoning 2a: Use the step-by-step slides from the Lesson Presentation to model how to check

answers using estimation. | Estimation Reasoning 2b: Recording their answers on the Estimation Problems Talk Partner Activity Sheet, the |
| :--- |
| children work with a partner to apply the strategy to a similar question, explaining their reasoning. Display the answers |
| on the Lesson Presentation and discuss. |
| Estimation Problems Reasoning 3a: Use the step-by-step slides from the Lesson Presentation to model how to |
| sporrect errors in calculations. |
| Rheet to show that they can solve reasoning questions involving estimation. |

