Multiplication and Division: Short Division

Aim:

Practise to become fluent in the formal written method of short division with exact answers (non-statutory).

I can use the short written method for division.

Success Criteria:

I can set out the calculation correctly and start at the left-hand side.

I can calculate how many times the divisor will go into the first digit of the dividend and write the answer on top of the line.

I can regroup any remainders in the next column and continue the calculation, writing the answer on the top line.

Key/New Words: Preparation:

Written method, division, calculation, divide, remainders, divisor, dividend.

Differentiated Written Method for Activity Sheet - 1 per child

Multiplication Square - as required

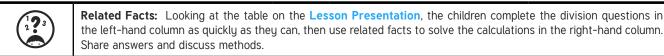
Whiteboards and pens - class set

Resources:

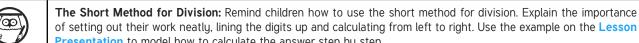
Lesson Pack

Prior Learning: It will be helpful if the children know the multiplication and division facts up to 12×12 .

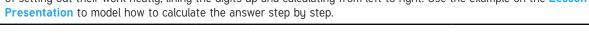
Learning Sequence



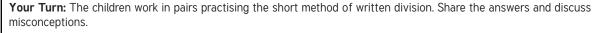














Dividing Larger Numbers: Work through the example with a four-digit number, demonstrating that the method works exactly the same way with larger numbers.





The Written Method for Division: Children complete the differentiated activities, using the short written method for division calculations without remainders.





Family Trees Activity **Sheet**, using times tables and related facts to complete division calculations, progressing to the short written method with twodigit numbers. Provide

Multiplication Squares for support if required.

Children complete the



Children complete the Written Method for **Division Activity Sheet**, dividing two and three-digit numbers using short written division without remainders.



Children complete the **Written Method for Division Activity Sheet**, dividing two, three and four-digit numbers using short written division without remainders.





Fix It! The children use the Answer Sheet to mark their work with a partner, using the success criteria to check each step of the calculation. Together they highlight exactly where any errors occurred and correct them. What have they done well? What do they need to do to improve?



Masterit

Writeit: The children write word problems to go with their division calculations. These could linked with their current topic or work in other

Teachit: The children imagine they are the teacher, write a script, rehearse and film themselves explaining the method.

