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| Year 2ES | End of year expectations for mental calculation | End of year expectations for written methods and problem solving | Written strategies/ recordings/methods/images | Vocabulary& Links |
| * The relationship between multiplication and division must be continually considered.
* Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers
* Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the

multiplication (×), division (÷) and equals (=) signs  | * Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot
* Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts. (*See below.)*

½ of 26 = 1326 ÷ 2 = 13* Pupils decode a problem first, represent it using

manipulatives and jottings; and finally record it symbolically**Fractions**write simple fractions for example, 1/2 of 6 = 3 and recognise the equivalence of 2/4 and 1 /2• *Begin to relate multiplication and division models to fractions and measures* | “5, one time”, “5, two times” and so on.½ of 26 = 1326 ÷ 2 = 13Using Dienes: “*If 40 ÷ 10 = 4 and 30 ÷ 10 = 3,* *what do you think 70 ÷ 10 would be? Why?”* | • Solve problems  involving  multiplication and  division, using materials, arrays,  repeated addition,  mental methods, and  multiplication and  division facts,  including problems in  contexts.• Use commutativity  and inverse relations  to develop  multiplicative  reasoning (e.g. 4 x 5 =  20 and 20 ÷ 5 = 4)• Statistics—interpret  and construct simple  pictograms, tally  charts and block  diagrams• Measurement—  counting 5 minute  intervals on a clock  face• Place value count in  steps of 2, 3 and 5  from 0 and in tens  from any number,  forwards and backwards |