Discussion Problems Step 4: Multiply 2 Digits by 1 Digit 2

National Curriculum Objectives:

Mathematics Year 3: (3C6) <u>Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables</u>

Mathematics Year 3: (3C7) Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods

Mathematics Year 3: (3C8) Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects

About this resource:

This resource has been designed for pupils who understand the concepts within this step. It provides pupils with more opportunities to enhance their reasoning and problem solving skills through more challenging problems. Pupils can work in pairs or small groups to discuss with each other about how best to tackle the problem, as there is often more than one answer or more than one way to work through the problem.

There may be various answers for each problem. Where this is the case, we have provided one example answer to guide discussion.

We recommend self or peer marking using the answer page provided to promote discussion and self-correction.

More Year 3 Multiplication and Division resources.

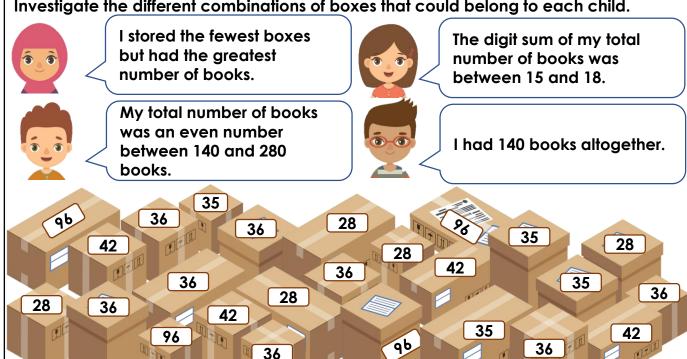
Did you like this resource? Don't forget to review it on our website.



Multiply 2 Digits by 1 Digit 2

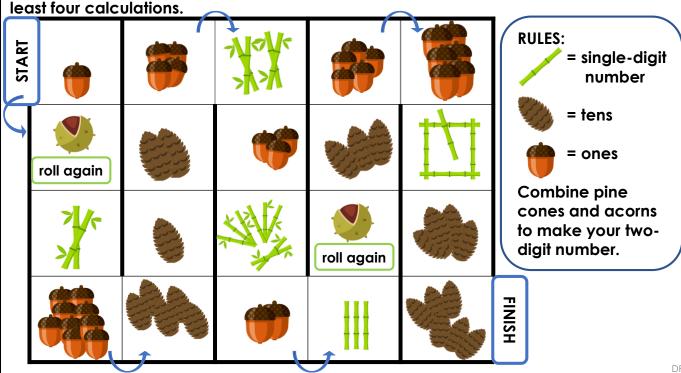
1. The children's books have been stored away in boxes in the shed. None of the children can remember their boxes. Not all the boxes contain the children's books.

Investigate the different combinations of boxes that could belong to each child.



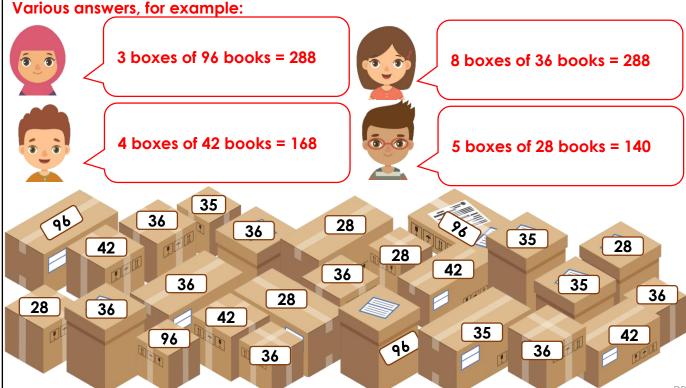
2. Work your way through the game, using a dice, to collect bamboo sticks, acorns and pine cones. Use the clues to turn these into 2 digits by 1 digit multiplication calculations.

Play the game as many times as you need until you collect enough parts to make at



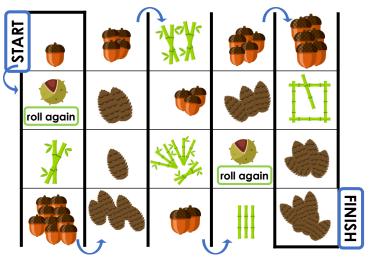
Multiply 2 Digits by 1 Digit 2

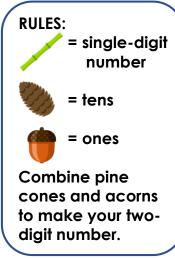
1. The children's books have been stored away in boxes in the shed. None of the children can remember their boxes. Not all the boxes contain the children's books. Investigate the different combinations of boxes that could belong to each child.



2. Work your way through the game, using a dice, to collect bamboo sticks, acorns and pine cones. Use the clues to turn these into 2 digits by 1 digit multiplication calculations.

Play the game as many times as you need until you collect enough parts to make at least four calculations.





There are over 200 possible calculations that could be generated during this game, all of which will be 2 digits by 1 digit calculations. For example: If I roll a 5, a 3 and a 3, I will generate 5 tens, 4 ones and 8 as the single-digit number: 54 x 8 as my first calculation.

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