

The grid method of multiplication (4)

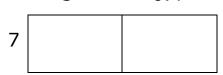
(2 digit with one decimal place x 1 digit)

Today your child's homework involves calculating/solving problems, using grid multiplication. This is a method of multiplication that allows children to see easily what is being multiplied together. Example: If a skipping rope is 3.4 metres long, how much

cord is needed for 7 skipping ropes?

So we need 3.4×7 .

First partition the 3.4 (split into units/ones and tenths) and place on the outside of the grid. The 7 we are multiplying by is placed at the side of the grid. 3 0.4



These partitioned numbers are then multiplied by 7 using knowledge of simple multiplication facts and place value, e.g. to calculate 0.4x7 we use knowledge that 4x7=28 so 0.4x7 = 2.8

	3	0.4
7	21	2.8

The numbers in the grid can now be added together mentally. E.g.21+2+0.8=23.8

This final number then needs to be used to answer the question: 23.8 metres of cord would be needed.