Y6 A little revision session today on estimation.

Remember if you estimate you round off your numbers then calculate!

When you complete a long multiplication remember digit value and if you can make a shortcut, make it ESPECIALLY if a number is multiplied by ten.
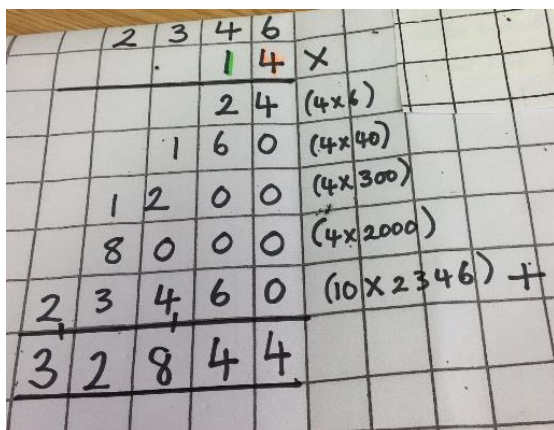
Remember

4567 x 10 ……. Move digits one place to left and insert place holder zero:

45670

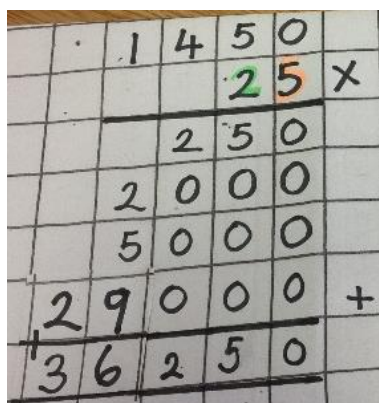Reminder of long multiplication stage one and stage two

Stage one

A. Use jottings alongside calculations at first. Look for mental maths shortcuts e.g whole four digit number multiplied by ten

Stage two

Moving on to method of omitting jottings and finding more mental maths shortcuts

8 A cinema has 17 rows of seats. Each row has 33 seats.

   a Estimate the number of seats in the cinema.

   b Show how you made your estimate.

   c Without using a calculator, work out exactly how many seats there are in the cinema.

   d Use your estimate to check your answer.
   Is it about right? Write 'yes' or 'no' in the box.

9 19 people are packing toys into boxes. There are 987 boxes to be filled.

   a Estimate how many boxes each person will fill, if they all do about the same number.

   b Show how you made your estimate.

   c Ben was one of the 19 people. He filled 35 boxes.
   Did he do his fair share?

   Explain your answer.

Answers:

Estimated number of seats: an answer between 450 and 750

Need to see a rounded calculation here

Did you multiply 15 X 30 or 20 x 30 or 20 x 35 etc. You needed to round off before calculating your estimate.

Exactly how many seats= 561

Did you have a good estimate?

Toys into boxes estimated answer s hould be between 45 and 65

Did you round off and use 950 ÷ 19 or 980÷20 ?

Did Ben do his fair share? No