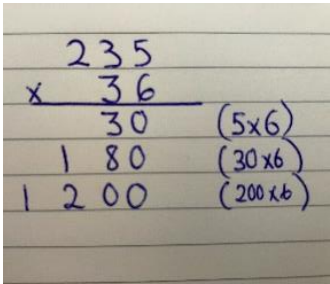
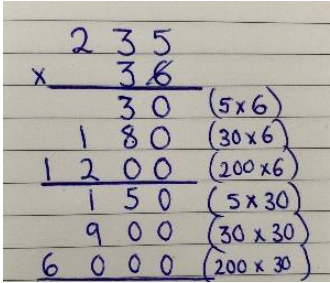


Worked example

The worked example below incorporates the following success criteria of an effective worked example:

1. Break complex material into smaller steps.
2. Ensure that each step removes any extraneous information and offers a clear structure and reasoning.
3. Think aloud your expert reasoning in order to share this with the pupil

KS2: Introduction to long multiplication – expanded method

Step	Think aloud	Worked example
1. First multiply each unit by 6.	In order to solve this, I am going to partition 36 and start by multiplying each digit in 235 by 6. I am setting this out carefully so that each of my digits is in the correct column. Writing my calculation down at the side helps me to know what I have multiplied.	
2. Then multiply each digit by 30.	Now that I have multiplied everything by 6, I am going to cross it out so I can remind myself that I have already multiplied by 6. I am now going to multiply each digit by 30. I am still making sure that each of my digits is written in the correct column.	
3. Finally add all the numbers together to get the total to 235 x 36	Finally, I am going to add all the numbers together to get the total for the sum 235 x 36. Once I have found the total I am going to put the comma in the correct place in between the thousandths and hundredths digit.	