

Write the following notes neatly in your Math notebook. Then complete the practice problems and send a clear picture of your working to your teacher via WhatsApp.

Name:

Thursday 13th January 2022

Mathematics

Multiplying by Two Digit Numbers

Remember that multiplication is a quick way to add large numbers repeatedly. Use the Mnemonic below (**M**any **Z**oos **M**any **A**nimals) to help you remember the steps for multiplying by two digit numbers.

The image shows a handwritten guide for multiplying by two-digit numbers. At the top, the mnemonic is written: **M**any **Z**oos... **M**any **A**nimals! Below each word is a small icon and a step: **M**any (Multiply), **Z**oos... (Zero), **M**any (Multiply), and **A**nimals! (Add). A small circular logo on the right says 'CREATING CONNECTIONS'. Below the mnemonic, the steps are listed: Step 1: Multiply, Step 2: Zero (with a note 'this allows us to move to the tens place'), Step 3: Multiply, and Step 4: Add. To the right of the steps is a multiplication problem:
$$\begin{array}{r} 53 \\ \times 26 \\ \hline 318 \\ + 1060 \\ \hline 1,378 \end{array}$$
 Below this, there are three more multiplication problems:
$$\begin{array}{r} 82 \\ \times 47 \\ \hline 574 \\ + 3280 \\ \hline 3,854 \end{array}$$
$$\begin{array}{r} 351 \\ \times 49 \\ \hline 3159 \\ + 14040 \\ \hline 17,199 \end{array}$$
$$\begin{array}{r} 706 \\ \times 65 \\ \hline 3530 \\ + 42360 \\ \hline 45,890 \end{array}$$

Try These

- a) 23×42
- b) 45×16
- c) 125×27
- d) A pilot flies 356 km per week. If she works 48 weeks of the year, what distance does she fly in all.