

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.

Many **Z**oos... **M**any **A**nimals!

Multiply **Z**ero **M**ultiply **A**dd

Step 1: **M**ultiply
Step 2: **Z**ero (this allows us to move to the tens)
Step 3: **M**ultiply
Step 4: **A**dd

Example 1:

$$\begin{array}{r} 53 \\ \times 26 \\ \hline 318 \\ + 1060 \\ \hline 1,378 \end{array}$$

Example 2:

$$\begin{array}{r} 82 \\ \times 47 \\ \hline 574 \\ + 3280 \\ \hline 3,854 \end{array}$$

Example 3:

$$\begin{array}{r} 351 \\ \times 49 \\ \hline 3159 \\ + 14040 \\ \hline 17,199 \end{array}$$

Example 4:

$$\begin{array}{r} 706 \\ \times 65 \\ \hline 3530 \\ + 42360 \\ \hline 45,890 \end{array}$$

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.