

NICKS & TRICKS

GUIDE TO PRIMARY SCHOOL MATHS

Topic 3 – Multiplication

Always Remember!

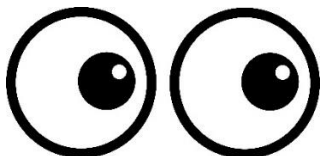
1. Multiplying is just a faster way to add lots of numbers
2. Be Sharp with Times Tables!
3. Estimate by Rounding first!

100's with 100's

10's with 10's

Units with Units

4. Look Next Door Method



5. The Magic '0'! – Add it in

$$\begin{array}{r} 429 \\ \times 16 \\ \hline 2561 \\ +9240 \\ \hline 11801 \end{array}$$

'16' is a TEN!.... So bring in your magic '0'

your magic '0'!

6. The Double Magic '0'

$$\begin{array}{r} 410 \\ \times 115 \\ \hline 2050 \\ +4100 \\ \hline 6150 \\ +41000 \\ \hline 47150 \end{array}$$

'16' is a Hundred!.... So bring in your double magic '0'

one magic '0'!

The Double magic '0'!



Worked Example



Supermacs uses plastic straws. The straws come in 6 different colours. Each package contains 5 straws in each colour. How many plastic straws are there in 10 packages?

Let's solve!

Multiply the numbers in the story to find the total number of plastic straws.

$$6 \times 5 \times 10 = 300$$

Use your times tables!

$$\begin{array}{r} 6 \\ \times 5 \\ \hline 30 \end{array}$$

and then ...

$$\begin{array}{r} 30 \\ \times 10 \\ \hline 00 \\ 300 \end{array}$$

Add in the Magic '0'!

There are 300 plastic straws.

3 Questions – 15 mins – Time yourself!

Question 1:



Doctor Jake ordered **4 shipments** of bandages. There were **6,746 bandages** in each shipment.

How many bandages in total did Doctor Jake order?

Question 2:

Multiply:

$$90 \times 51 = ?$$

Question 3:



There are **20 boxes of books** in Tesco. **Each box has 30 books.**

How many books are there in all?

*“Maths is about **problem solving** and having fun”*