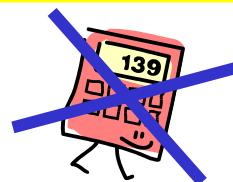


Before you start:

Have a go at these:



- a) $826 \div 10$ b) $1531 \div 100$ c) $1253 \div 1000$ d) $5.03 \div 10$

6. Multiplication

How to ...

The two most common methods are: grid method or column method... you choose !!

$$314 \times 23$$

1. split the numbers into 100's, 10's and units ...

2. multiply each separate part in the grid

3. you can then add all the numbers in the grid... I like to first add up the columns in the grid

	300	10	4
20	$20 \times 300 = 6,000$	$20 \times 10 = 200$	$20 \times 4 = 80$
3	$3 \times 300 = 900$	$3 \times 10 = 30$	$3 \times 4 = 12$

6,900 230 92

→ ↘ ←

$$\begin{array}{r} 6900 \\ 230 \\ 92 \\ \hline 7222 \end{array} = \underline{\underline{7222}}$$

$$398 \times 53$$

1. write 1 number above the other... bigger on top

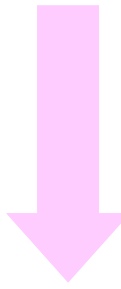
2. We first need to multiply "3" by everything on the top (carrying where needed!)

$$\begin{array}{r} 398 \\ \times 53 \quad \leftarrow \text{start this side } \text{😊} \\ \hline 1194 \\ 1990 \\ \hline 21094 \end{array}$$

3. we then need to multiply "50" by everything on the top row.... we put a 0 in the righthand column...

4. we then add the two rows together

Now have a go ... (if the answer isn't in the answer box ... Try again!)



1. 56×5

2. 56×8

3. 560×8

4. 72×45

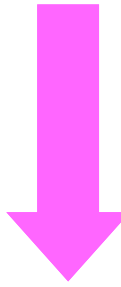
5. 72×54

6. 54×45

7. 83×33

8. 24×23

9. 43×64



1. 46×427

2. 233×41

3. 58×943

4. 853×38

5. 14×237

6. 103×92

7. 281×79

8. 371×93

9. 893×231



1. 3126×31

2. 6506×92

3. 6544×43

4. 67×481

5. 4820×82

6. 8269×41

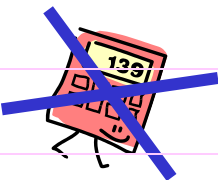
7. 59×7878

8. 4867×19

9. 29×8080



1. A concert hall has 94 rows of seats. Each row has 47 seats. How many seats in total?
2. A hotel charges £129 for a double room for 1 night. What is the cost for 14 nights?
3. A train travels 1821 km a day. How far does it travel in 84 days?

4480	464 802	96 906	2739	4418	3888
2430	9553	234 320	3318	395 240	19642
339 029	152 964	22 199	280	552	598 552
1806	448	54 694	281 392	32 227	32 414
9476	92 473	34 503			3240
2752	206 283				ANSWERS