



Multiplying 2-digit by 2-digit numbers

CAPS: Grade 4, Term 3

Numbers, Operations, Relationships

Whole numbers: multiplication of at least whole 2-Digit by 2-Digit numbers.

Note

When you multiply a number, you add the same number to itself multiple times. e.g. $23 \times 18 = 23 + 23 + 23 + 23 + \dots + 23$ 18 times. But there is a quicker method using our times tables.

$$\begin{array}{r} 23 \\ \times 18 \\ \hline 184 \end{array}$$

$8 \times 3 = 24$, record 4 carry the 2
 $8 \times 2 = 16 + 2$ (the 2 that was carried) = 18
 record 18, hence 184

$$\begin{array}{r} + 230 \\ \hline 414 \end{array}$$

record 0- place holder, because multiplying by 10
 $1 \times 3 = 3$, record
 $1 \times 2 = 2$, record.. hence 230
 now add $184 + 230$
 (adding $230 + 184$ gives you a total of 414)

Activity 1

Multiply 2-digit numbers

(a)

$$\begin{array}{r} 16 \\ \times 15 \\ \hline \end{array}$$

(b)

$$\begin{array}{r} 45 \\ \times 21 \\ \hline \end{array}$$

(c)

$$\begin{array}{r} 36 \\ \times 24 \\ \hline \end{array}$$

(d)

$$\begin{array}{r} 29 \\ \times 19 \\ \hline \end{array}$$

(e)

$$\begin{array}{r} 54 \\ \times 14 \\ \hline \end{array}$$

(f)

$$\begin{array}{r} 67 \\ \times 22 \\ \hline \end{array}$$

Tip: Always remember to check your answer.

Teacher Tip

Things to remember: The place value of units does not change.
 0 is the place holder. Add the columns to find the answer.

