

Friday 22nd January 2021

L.I. Can I multiply 2-digit numbers by 1-digit numbers with exchange?

Let's work out this calculation:

$24 \times 4 =$

Handwritten calculation on a grid:

$$\begin{array}{r} 24 \\ \times 4 \\ \hline 96 \end{array}$$

Annotations: $4 \times 4 = 16$, $4 \times 20 = 80 (+10)$, "1 ten", "1 ten" (pointing to the carry).

Work out 4×15

Tens	Ones
10	1 1 1 1 1
10	1 1 1 1 1
10	1 1 1 1 1
10	1 1 1 1 1

$4 \times 5 = \square$
 $4 \times 10 = \square$
 $4 \times 15 = \square$

Complete the column multiplications.

Tens	Ones
10 10	1 1 1 1 1
10 10	1 1 1 1 1
10 10	1 1 1 1 1

Handwritten column multiplication on a grid:

$$\begin{array}{r} \text{T O} \\ 24 \\ \times 3 \\ \hline \end{array}$$

Work out the multiplications.

a) 25×5

Handwritten column multiplication on a grid:

$$\begin{array}{r} \text{T O} \\ 25 \\ \times 5 \\ \hline \end{array}$$

c) 5×26

Blank grid for calculation.

b) 35×6

Handwritten column multiplication on a grid:

$$\begin{array}{r} \text{T O} \\ 35 \\ \times 6 \\ \hline \end{array}$$

d) 4×36

Blank grid for calculation.

1) Complete the calculations to match the representations shown.

a)

Tens	Ones
10 10	1 1 1
10 10	1 1 1
10 10	1 1 1
10 10	1 1 1

Handwritten calculation on a grid:

$$\begin{array}{r} \text{T O} \\ 23 \\ \times 4 \\ \hline \end{array}$$

b)

Tens	Ones
10 10 10 10	1 1
10 10 10 10	1 1
10 10 10 10	1 1
10 10 10 10	1 1

Handwritten calculation on a grid:

$$\begin{array}{r} \text{T O} \\ 17 \\ \times 5 \\ \hline \end{array}$$

c)

Tens	Ones
10 10 10 10	1 1
10 10 10 10	1 1
10 10 10 10	1 1
10 10 10 10	1 1

Handwritten calculation on a grid:

$$\begin{array}{r} \text{T O} \\ 42 \\ \times 4 \\ \hline \end{array}$$

Handwritten column multiplication on a grid:

$$\begin{array}{r} \text{T O} \\ 35 \\ \times 4 \\ \hline \end{array}$$