26.01.2021
OLI: To use the short method of multiplication

I would like you to continue to work on the short method of multiplication. Use what you already know to consolidate your learning.

Mrs Francois Group – Column A (extended method)
EXT: If you feel confident move onto column B

My group: Column B
EXT: Column C

I will upload some squared paper you can use to set out your work.
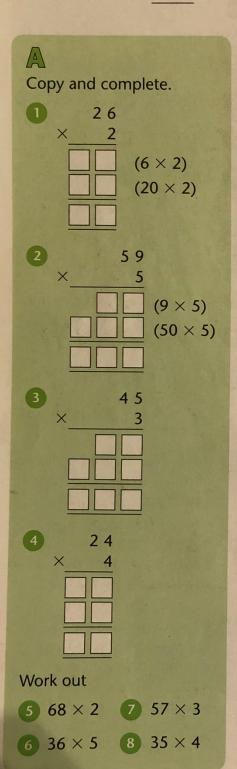
TARGET To develop a written method to multiply TU by U.

Examples

$$\begin{array}{r} 3\,6 \\ \times\quad 4 \\ \hline 2\,4 \\ 1\,2\,0 \\ \hline 1\,4\,4 \end{array}\quad\begin{array}{l} 6\times4 \\ 30\times4 \end{array}$$

$$\begin{array}{r} 3\,6 \\ \times\quad 4 \\ \hline 1\,4\,4 \\ {\scriptstyle 2} \end{array}$$

$6 \times 4 = 24$
20 is carried into tens (2)
4 is written in units (4)
$30 \times 4 = 120$
$120 + 24 = 144$
Answer *144*

A

Copy and complete.

1
$$\begin{array}{r} 2\,6 \\ \times\quad 2 \\ \hline \end{array}$$
☐☐ (6 × 2)
☐☐ (20 × 2)
☐☐

2
$$\begin{array}{r} 5\,9 \\ \times\quad 5 \\ \hline \end{array}$$
☐☐ (9 × 5)
☐☐☐ (50 × 5)
☐☐☐

3
$$\begin{array}{r} 4\,5 \\ \times\quad 3 \\ \hline \end{array}$$
☐☐
☐☐☐
☐☐☐

4
$$\begin{array}{r} 2\,4 \\ \times\quad 4 \\ \hline \end{array}$$
☐☐
☐☐
☐☐

Work out

5 68 × 2   **7** 57 × 3

6 36 × 5   **8** 35 × 4

B

Copy and complete.

1
$$\begin{array}{r} 3\,7 \\ \times\quad 2 \\ \hline \end{array}$$
9
$$\begin{array}{r} 2\,5 \\ \times\quad 5 \\ \hline \end{array}$$

2
$$\begin{array}{r} 2\,4 \\ \times\quad 3 \\ \hline \end{array}$$
10
$$\begin{array}{r} 9\,7 \\ \times\quad 4 \\ \hline \end{array}$$

3
$$\begin{array}{r} 8\,3 \\ \times\quad 5 \\ \hline \end{array}$$
11
$$\begin{array}{r} 8\,5 \\ \times\quad 2 \\ \hline \end{array}$$

4
$$\begin{array}{r} 6\,6 \\ \times\quad 4 \\ \hline \end{array}$$
12
$$\begin{array}{r} 6\,9 \\ \times\quad 3 \\ \hline \end{array}$$

5
$$\begin{array}{r} 5\,9 \\ \times\quad 2 \\ \hline \end{array}$$
13
$$\begin{array}{r} 5\,5 \\ \times\quad 4 \\ \hline \end{array}$$

6
$$\begin{array}{r} 4\,7 \\ \times\quad 5 \\ \hline \end{array}$$
14
$$\begin{array}{r} 9\,3 \\ \times\quad 2 \\ \hline \end{array}$$

7
$$\begin{array}{r} 3\,8 \\ \times\quad 4 \\ \hline \end{array}$$
15
$$\begin{array}{r} 3\,6 \\ \times\quad 3 \\ \hline \end{array}$$

8
$$\begin{array}{r} 9\,6 \\ \times\quad 3 \\ \hline \end{array}$$
16
$$\begin{array}{r} 6\,4 \\ \times\quad 5 \\ \hline \end{array}$$

17 Double 76.

18 How many is 48 fours?

C

Work out

1 75 × 5   **9** 182 × 4

2 86 × 3   **10** 175 × 2

3 48 × 2   **11** 168 × 5

4 93 × 4   **12** 247 × 3

5 78 × 3   **13** 356 × 2

6 87 × 2   **14** 287 × 5

7 69 × 4   **15** 169 × 3

8 96 × 5   **16** 274 × 4

17 There are eight sausages in each packet. How many sausages are there in 34 packets?

18 The smallest snake was 42 cm long. The largest was six times longer. How long was the largest snake?

19 The 283 visitors to a museum each pay £5 to enter. How much is taken in ticket sales altogether?

20 One glass holds 165 ml of drink. How much will four identical glasses hold?