Lesson 2: Column Multiplication

Bronze Activity

TASK 1

Use the charts and draw place value counters to help you answer the questions:

EXAMPLE

22 x 3 =

T	O
10 10	1 1
10 10	1 1
10 10	1 1

```
  2   2
      3  x
_____
  6   6
```

1) 24 x 3

T	O

2) 17 x 5

T	O

3) 23 x 4

T	O

TASK 2

Draw your own grids and place value counters if you need to;

1. 100s 10s 1s

$$
\begin{array}{r}
3\ 4 \\
\times\ \ 2 \\
\hline \\
\hline
\end{array}
$$

2. 100s 10s 1s

$$
\begin{array}{r}
3\ 2 \\
\times\ \ 3 \\
\hline \\
\hline
\end{array}
$$

3. 100s 10s 1s

$$
\begin{array}{r}
4\ 1 \\
\times\ \ 4 \\
\hline \\
\hline
\end{array}
$$

4. 100s 10s 1s

$$
\begin{array}{r}
4\ 4 \\
\times\ \ 5 \\
\hline \\
\hline
\end{array}
$$

5. 100s 10s 1s

$$
\begin{array}{r}
2\ 5 \\
\times\ \ 4 \\
\hline \\
\hline
\end{array}
$$

6. 100s 10s 1s

$$
\begin{array}{r}
1\ 4 \\
\times\ \ 3 \\
\hline \\
\hline
\end{array}
$$

7. 100s 10s 1s

$$
\begin{array}{r}
2\ 6 \\
\times\ \ 2 \\
\hline \\
\hline
\end{array}
$$

8. 100s 10s 1s

$$
\begin{array}{r}
3\ 5 \\
\times\ \ 3 \\
\hline \\
\hline
\end{array}
$$

9. 100s 10s 1s

$$
\begin{array}{r}
4\ 3 \\
\times\ \ 4 \\
\hline \\
\hline
\end{array}
$$

10. 100s 10s 1s

$$
\begin{array}{r}
5\ 2 \\
\times\ \ 5 \\
\hline \\
\hline
\end{array}
$$

11. 100s 10s 1s

$$
\begin{array}{r}
4\ 6 \\
\times\ \ 4 \\
\hline \\
\hline
\end{array}
$$

12. 100s 10s 1s

$$
\begin{array}{r}
3\ 9 \\
\times\ \ 3 \\
\hline \\
\hline
\end{array}
$$

Lesson 2: Column Multiplication

TASK 1

Use the charts and draw place value counters to help you answer the questions:

EXAMPLE

42 x 5 =

T	O
10 10 10 10	1 1
10 10 10 10	1 1
10 10 10 10	1 1
10 10 10 10	1 1
10 10 10 10	1 1

$$\begin{array}{ccc} 4 & 2 \\ & 5 & \times \\ \hline 2 & 1 & 0 \\ \hline 1 \end{array}$$

1. 45 x 4 =

T	O

2. 72 x 5 =

T	O

3. 64 x 4 =

T	O

TASK 2

1. 100s 10s 1s

    5 8
    x 2
    ___
    ___

2. 100s 10s 1s

    3 6
    x 3
    ___
    ___

3. 100s 10s 1s

    2 7
    x 4
    ___
    ___

4. 100s 10s 1s

    4 6
    x 5
    ___
    ___

5. 100s 10s 1s

    5 7
    x 4
    ___
    ___

6. 100s 10s 1s

    3 9
    x 3
    ___
    ___

7. 100s 10s 1s

    3 7
    x 2
    ___
    ___

8. 100s 10s 1s

    4 8
    x 3
    ___
    ___

9. 100s 10s 1s

    5 9
    x 4
    ___
    ___

10. 100s 10s 1s

    7 4
    x 5
    ___
    ___

11. 100s 10s 1s

    6 8
    x 4
    ___
    ___

12. 100s 10s 1s

    5 9
    x 3
    ___
    ___

CHALLENGE

1. $\begin{array}{r} 2\ \square \\ \times \quad 2 \\ \hline 4\ 6 \end{array}$

2. $\begin{array}{r} \square\ 1 \\ \times \quad 2 \\ \hline 6\ 2 \end{array}$

3. $\begin{array}{r} \square\ 1 \\ \times \quad 2 \\ \hline 8\ 2 \end{array}$

Lesson 2: Column Multiplication

Gold Activity

TASK 1

Complete these short multiplication calculations. The first one has been done as an example.

1.

	8	6
×		6
5	1	6
	3	

2.

	4	4
×		3

3.

	7	2
×		9

4.

	6	9
×		6

5.

	7	8
×		4

6.

	8	3
×		8

#

7.

	9	4
×		4

8.

	8	2
×		9

9.

	9	9
×		3

Gold Activity

	10.			11.			12.		
	4	8		6	7		7	9	
×		6	×		4	×		3	

TASK 2: 3-digit x 1 digit

(Use a place value chart and draw counters if you need to)

1. 426 x 4 =

2. 651 x 5 =

3. 238 x 7 =

4. 458 x 6 =

5. 836 x 9 =

6. 355 x 8 =

7. 192 x 6 =

8. 563 x 4 =

CHALLENGE

Write the missing digits to make these multiplications correct.

1.
```
    3 4
  ×   6
  ------
  □ 0 4
```

2.
```
    2 □
  ×   5
  ------
  1 3 5
```

3.
```
    □ 6
  ×   3
  ------
  1 6 8
```

4.
```
    6 3
  ×   4
  ------
  □ 5 2
```

5.
```
    7 □
  ×   6
  ------
  4 6 8
```

6.
```
    □ 9
  ×   7
  ------
  2 7 3
```