15.1.2021   Quick Maths

A

6m

- 25 - 17 =
- 26 x 4 =
- 3mm + ___mm = 6cm
- Find all factor pairs of 36

11m | Area =

B

- 77539 - 27543 =
- 1/4 of ___ = 13
- 390 ÷ 3 =
- 5 x 4 x 8 =

27m

4m | Area =

Challenge

Always, sometimes or never?

In a box of 48 muffins, there were 18 chocolate, 22 blueberry, 6 lemon and 2 raspberry muffins.

1. If I had 8 boxes, how many of each muffin do I have?
2. How many muffins do I have in total?

Flashback 4   Year 4 | Week 2 | Day 4

1) Find 16×5

2) What is $8 \times 5 \times 2$?

3) 10 lots of 8 is equal to?

4) What is 800 subtract 120?

White Rose Maths

Column Multiplication Recap

You can multiply numbers together using a number of techniques. One written method that we will focus on is column multiplication. It looks like this...

```
      T   O
      1   2
  x       4
      4   8
```

Column Multiplication Recap

The first step is to place your digits in the correct columns.

```
      T   O
      1   2
  x       4
      4   8.
```

Then, like column addition, we begin with the Ones column. We multiply the Ones digits together (in this case, 2 x 4), writing the answer in the Ones column inbetween the lines. Next, we multiply the Tens by the Ones (1 x 4), writing the answer in the Tens column.

Column Multiplication

Learning Objective:
Today I am learning to
- use a written method of multiplication
- be able to exchange when multiplying numbers together

Success Criteria
I will be successful if I can
- multiply 3-digit numbers by 1-digit numbers
- exchange numbers confidently
- develop my reasoning skills

Key Vocabulary
- column
- multiplication
- multiples
- exchanging
- place value
- product
- exchanging

Column Multiplication - with exchanging

	T	O
	2	6
x		3
	7	8
	1	
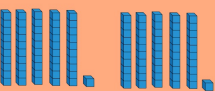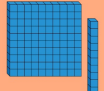
DON'T FORGET TO ADD THE EXCHANGED NUMBER!

Sometimes, we have to exchange digits if you are greater than 10. In this calculation, we must exchange 1 TEN for 10 ONES. The '1' that we exchange belongs under two lines, the same as when we exchange digits in column addition and subtraction.
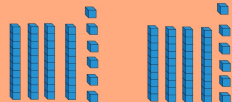
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Written method

51 x 2 =

$$\begin{array}{cc} & 5 \quad 1 \\ x & 2 \\ \hline \\ \hline \end{array}$$

HUNDREDS	TENS	ONES

What do we do with the 10 TENS?

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Written method

46 x 2 =

$$\begin{array}{cc} & 4 \quad 6 \\ x & 2 \\ \hline \\ \hline \end{array}$$

TENS	ONES

Written method

26 x 3 =

```
    2   6
x       3
_____

_____
```

TENS | ONES
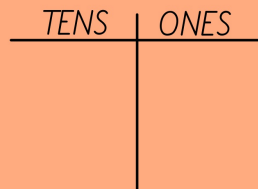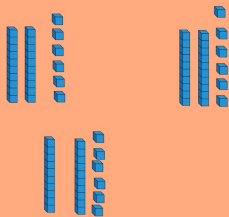
Task

You must use column multiplication to solve the following calculations.

A
Maths - 'A' activity (Q1-Q6)

Challenge
Can you have a go at the challenge?Please use column multiplication.

B
1. 27 x 2 =
2. 71 x 2 =
3. 18 x 5 =
4. 23 x 4 =
5. 31 x 6 =
6. 34 x 3 =
7. 28 x 4 =
8. 19 x 5 =
9. 37 x 3 =
10. 29 x 4 =

C
1. 27 X 4 =
2. 38 X 6 =
3. 41 X 4 =
4. 73 X 4 =
5. 82 X 3 =
6. 26 X 6 =
7. 56 X 8 =
8. 194 X 8 =
9. 278 X 5 =
10. 1047 x 3 =