Monday

TBAT use the expanded written method for multiplication

Starter activity

Can any of these calculations be solved using a mentally?

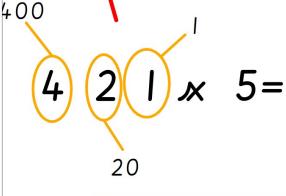600 x 3 =

123 x 9 =

734 x 7 =

7 x 80 =

25.1.21
TBAT use the expanded written method for multiplication   EXAMPLE

1. We partition the big number first:

400   1

(4) (2) (1) x 5=

20

2. Then multiply each value by the 1-digit number starting with the ones

```
        4  2  1
  x           5
  _____
              5
        1  0  0
  2  0  0  0
  _____
  2  1  0  5
```
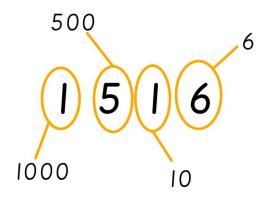
1 x 5 =
20 x 5 =
400 x 5 =

3. Finally we add up the answers.

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TBAT use the expanded written method for multiplication

Have a go at this one.
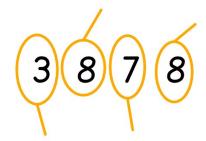
1516 x 3 =

```
     1  5  1  6
  x           3
  _____
```

500   6

(1) (5) (1) (6)

1000   10

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TBAT use the expanded written method for multiplication

3878 x 4 =

3 8 7 8
x _____ 4

(3)(8)(7)(8)

_____
_____

Steps to success:
-Line up the numbers in place value columns
-multiply the ones first, then the tens and so on
-use your times tables and multiple facts knowledge to help you
-write the answers in the correct place value columns
-add the answers up using column addition

Bronze

1. 235 x 4
2. 193 x 3
3. 428 x 5

Silver

4. 1723 x 4
5. 4552 x 3
6. 3467 x 5

Gold

7. 3942 x 6
8. 2959 x 8
9. 2583 x 9

Success criteria
-Line up the numbers in place value columns
-multiply the largest value first, then the next largest and so on
-use your times tables and multiple facts knowledge to help you
-write the answers in the correct place value columns
-add the answers up using column addition

Tuesday

25.1.21
TBAT multiply 4-digit numbers using short column method

Starter activity: Can you spot my mistake?

```
      3  5  6  2
  x            4
  _____
               8
            2  4
      2  0  0  0
   1  2  0  0  0
  _____
   1  4  0  3  2
```

TBAT use the short written method for multiplication

Today we will learn the short method for multiplication.

$$34 \times 4 =$$

Step 1:

Line up the numbers in columns.

```
  3 4
x   4
____
```

Step 2:

Multiply the ones. If the answer is a 2-digit answer, put the 10s digit below the next column.

```
  3 4
x   4
____
    6
  1
```

Step 3:

Keep going until you have multiplied each digit by the bottom number!

```
  3 4
x    4
_____
1 3 6
  1
```

25.1.21

TBAT use the short written method for multiplication

$$4524 \times 4 =$$

```
  4 5 2 4
x        4
_____

_____
```

25.1.21

TBAT use the short written method for multiplication

Steps to success:

○ **Place values aligned**
○ **Start with the ones digit and work left**
○ **Write the number you are carrying first**
○ **Always add what you have carried**
○ **For the last digit, you do not have to carry.**

BRONZE	SILVER	GOLD
1. 34 x 3	1. 179 x 4	1. 6558 x 8
2. 53 x 4	2. 345 x 4	2. 2378 x 7
3. 32 x 3	3. 299 x 3	3. 8647 x 8
4. 31 x 5	4. 879 x 3	4. 2901 x 7
5. 76 x 5	5. 888 x 4	5. 12,402 x 5

Wednesday

26.1.21
TBAT use the short written method for multiplication

```
    4 2
  ×   3
  ─────
  ─────
```

```
    5 2 4
  ×     4
  ───────
  ───────
```

```
    3 2 8 1
  ×       6
  ─────────
  ─────────
```

26.1.21
TBAT use the short written method for multiplication

BRONZE	SILVER	GOLD
1. 42 x 9	1. 738 x 6	1. 19,068 x 4
2. 75 x 3	2. 693 x 5	2. 9999 x 9
3. 43 x 4	3. 4672 x 6	3. 26,855 x 7
4. 273 x 5	4. 5998 x 5	4. 67,335 x 9
5. 459 x 3	5. 3562 x 6	5. 78,387 x 8

Thursday

Megan worked out the answer to
$1,432 \times 4$

Here is her answer:

TH	H	T	O
1	4	3	2
×			4
4	16	12	8

$1,432 \times 4 = 416,128$

Can you explain what Megan has done wrong?

Can you work out the missing numbers using the clues?

□ □ □ □

× _____ 5

□ □ □ □ □

- The 4 digits being multiplied by 5 are consecutive numbers.
- The first 2 digits of the product are the same.
- The fourth and fifth digits of the answer add to make the third.

Friday

28.1.21
TBAT recall times tables

Fluency Friday!

Practise your times tables and try
to beat your speed table time from
last week!