# Year 5/6-Maths Chilli Challenge

**Look at the challenges below, choose a level of chilli you want to start with. If you feel confident, have a go at the next set of questions. The answers will be published on Monday.**

## Mild

1. Complete the sentences to describe the multiplication.

| Th | H | T | O |
|---|---|---|---|
| 1,000 1,000 | 100 100 | 10 | 1 1 1 |
| 1,000 1,000 | 100 100 | 10 | 1 1 1 |
| 1,000 1,000 | 100 100 | 10 | 1 1 1 |

There are [ ] ones altogether.

There are [ ] tens altogether.

There are [ ] hundreds altogether.

There are [ ] thousands altogether.

2,213 × 3 = [ ]

2. Complete the multiplication.

Use a place value chart to help you.

|   | 2 | 1 | 0 | 2 |
|---|---|---|---|---|
| × |   |   |   | 4 |
|   |   |   |   |   |
|   |   |   |   |   |

## Medium

3. A football stadium holds 2,214 people.

The stadium is full for 4 matches in a row.

What was the attendance for all 4 matches?

4. Nijah is calculating 2,430 × 3

She makes this place value chart to help her.

| Th | H | T | O |
|---|---|---|---|
|   | 100 100 | 10 10 10 10 10 | 1 1 1 |
|   | 100 100 | 10 10 10 10 10 | 1 1 1 |
|   | 100 100 | 10 10 10 10 10 | 1 1 1 |

She gets the answer 729

What mistake has Nijah made?

What is the correct answer?

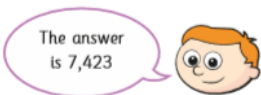**5** Complete the multiplications.

a) 3,126 × 3 = [ ]    c) 4,132 × 6 = [ ]

b) 4,812 × 2 = [ ]    d) 1,502 × 5 = [ ]

**6** Ron is working out 7,423 × 0

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    7  4  2  3
  ×          0
    7  4  2  3
```

The answer is 7,423

Do you agree with Ron?

Did Ron have to use a column method? Is there a quicker way?

**7** Work out these multiplications.

2,846 × 2

2,846 × 4

2,846 × 8

What do you notice about the answers?

**8**
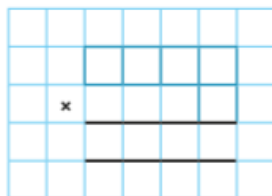
248 × 10 = 2,480

Without using the formal method, how could you use this fact to calculate 248 × 9?

Check your answer using the formal method.

Which method was easier?

**9** Use each digit card once to write a multiplication.

| 1 | 2 | 3 | 4 | 5 |

How many different products can you find?

What is the closest product to 8,000?