



Maths in Year 4

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At Hunslet Moor we believe that all children should be given the opportunity to achieve their true potential, taking into account the importance of meeting the needs of each individual child's learning, and their social and emotional needs.

On a daily basis, children, regardless of their ability, in KS1 and KS2 are provided with opportunities to become more fluent in their learning, to reason mathematically and to solve a range of problems.

Year 4



24.01.24

LO: Multiply a 2-digit number by a 1-digit number, no exchange.

Last year Last month

Use <, > or = to complete the comparisons.

15 < 12

7 4 5
+ 3 5 6
1,001 ✓

Last week Yesterday

6 x 8 = 48 ✓ 4 x 4 = 16 ✓
7 x 8 = 56 ✓ 8 x 4 = 32 ✓

5 x 3 < 3 x 4 X
3 x 4 > 4 x 5 X

1a) 3 x 3 = 9
There are 9 single marble
3 x 2 ten = 6 tens
There are 6 boxes of Marble
6 tens = 60 ones
30 + 30 = 60
There are 230
1b) 3 x 23 = 69

Use the place value chart to work out 2 x 24
Complete the multiplication sentences.

Tens	Ones
2	4

2 x 4 =

2 x 20 =

4 + 20 =

2 x 24 =

2a) 2 x 4 = 8 ✓
2 x 20 = 40 ✓
20 + 4 = 24 ✓
4 + 20 = 24 ✓
2 x 24 = 48 ✓
3a) 2 x 40 = 80 ✓

Complete the sentences to work out 43 x 2

Tens	Ones
4	3

2 x =

2 x =

+ =

1 Ron, Sam and Mo each have 23 marbles.

10 10 10 10 10 10 10 10 10 10

a) Complete the sentences to work out how many marbles there are in total.

3 x 3 ones =

There are single marbles.

3 x 2 tens = tens

There are boxes of 10 marbles.

tens =

+ =

There are marbles in total.

Memory grids
We use memory grids as a way of revisiting our previous learning. This helps us to embed and retain our mathematical knowledge.

Year 4



2, 4, 16, 32, 48, 36, 12, 8

In the 2 times-table In the 4 times-table

In the 8 times-table

Are any of the parts empty? Why?
Talk about it with a partner.

If I add two odd numbers together the total is a multiple of 2

Is this always true, sometimes true or never true?
How do you know?

Elc

• Sometimes
• ~~Never~~ true because 2 is an even number, but if it's the same number it's even.
• For example $-3 \times 2 = -6$ and 6 is even.

The image shows a student's handwritten work on grid paper. At the top, there is a list of numbers: 2, 4, 16, 32, 48, 36, 12, 8. Below this, three overlapping circles represent the 2, 4, and 8 times tables. The 2 times table circle contains 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48. The 4 times table circle contains 4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 44, 48. The 8 times table circle contains 8, 16, 24, 32, 40, 48. The intersection of 2 and 4 contains 4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 44, 48. The intersection of 2 and 8 contains 8, 16, 24, 32, 40, 48. The intersection of 4 and 8 contains 8, 16, 24, 32, 40, 48. The intersection of all three contains 8, 16, 24, 32, 40, 48. Below the Venn diagrams, there is a question: 'Are any of the parts empty? Why? Talk about it with a partner.' To the right, there is a handwritten note: 'Elc'. Below the Venn diagrams, there is a question: 'If I add two odd numbers together the total is a multiple of 2'. Below this, there is another question: 'Is this always true, sometimes true or never true? How do you know?'. To the right of this question, there is a handwritten answer: '• Sometimes', '• ~~Never~~ true because 2 is an even number, but if it's the same number it's even.', and '• For example $-3 \times 2 = -6$ and 6 is even.'

Extended Learning Challenges
We use Extended Learning Challenges to provide reasoning opportunities for pupils to embed their learning further and deepen their understanding.

Year 4



14th January - 19th January 2024

Finishes in 3 days

12th January - 9th February 2024

Finishes in 24 days

< Info **Class Results** Pupil Result >

Class Average

Class Total Correct

1 4b 382

2 4a 4



Timestables

We use Time Tables Rock Stars to help our pupils embed their knowledge of their multiplications. We regularly have a class 'battle of the bands' to inspire our pupils.