Ncetm Ks1 multiplication 3

Lesson 1 - Practise counting in twos

This is the first lesson in a sequence of lessons where the children look at groups of 2, practise counting in twos and then keeping a tally so that they can see how this connects to finding a total.

Lesson 2 - Introduction to the terms *factor* and *product*

The children should already be familiar with writing multiplication expressions. The teacher models how the multiplication expression can be turned into an equation showing the product - how many objects there are altogether. In this lesson they are introduced to factor x factor = product as well as product = factor x factor, so that they can write multiplication equations and be able to say what each part of the equation represents. These terms are then used to describe the number of groups of two and the associated total.

Lesson 3 - Embedding the language of factor and product, making connections between different representations
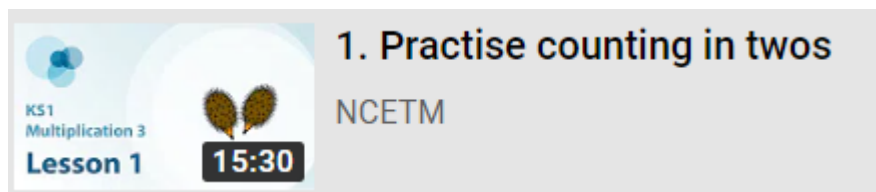
Working through examples with a group size of two provides the children with the opportunity to practise the language of factor and product. They continue to skip count to work out the product: for example, they look at five bikes each with two wheels, write the expression 5 x 2 and know that 5 is a factor, 2 is a factor and then skip count to create the equation 5 x 2 = 10 because they know that there are ten wheels altogether.

Lesson 4 - Explore 0 x 2

The children count backwards in twos, supported by a number line starting with, for example, three groups of two. They write the multiplication equation in each case, removing groups of two until there are zero twos. Practice is then provided for them to match equations with the correct picture.

Lesson 5 – Record the two times table in a ratio table

In this lesson, children make connections between a ratio table, multiplication equations and a context, such as pairs of shoes. They then use this information to answer questions such as, 'If I have six pairs of shoes, how many shoes do I have altogether?'. They are encouraged to make their own ratio table, cut it up and then reassemble to deepen their understand of how it has been organised.
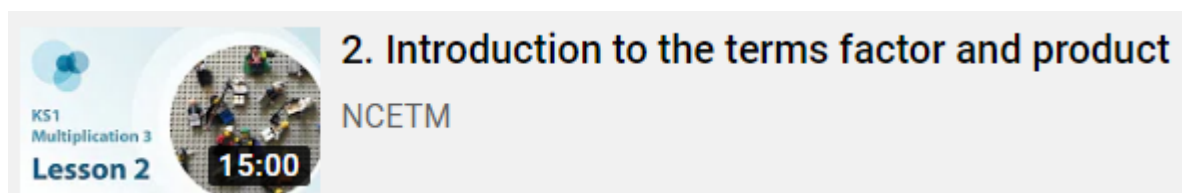

KS1 Multiplication 3
Lesson 1   15:30

1. Practise counting in twos

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https://www.youtube.com/watch?v=42ppvuk8hos&list=PLQqF8sn28L9ylG87v575aUwviowI5dr8H&index=1&safe=active
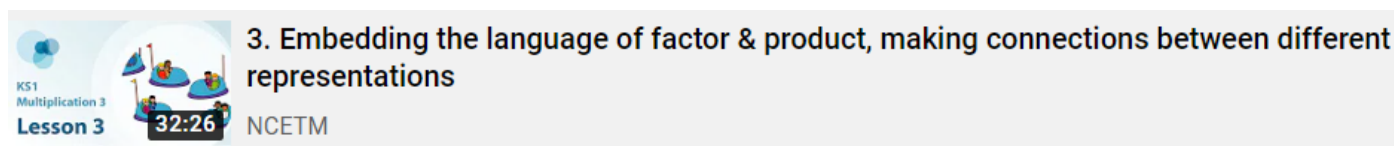

KS1 Multiplication 3
Lesson 2   15:00

2. Introduction to the terms factor and product

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https://www.youtube.com/watch?v=5Z18InZA8RU&list=PLQqF8sn28L9ylG87v575aUwviowI5dr8H&index=2&safe=active

KS1 Multiplication 3
Lesson 3   32:26

3. Embedding the language of factor & product, making connections between different representations
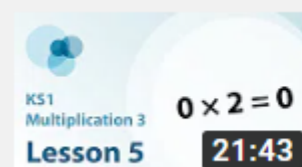
NCETM

https://www.youtube.com/watch?v=7OinmjLJ6GQ&list=PLQqF8sn28L9ylG87v575aUwviowI5dr8H&index=3&safe=active

4. Explore 0 x 2
NCETM

Lesson 4 — 27:58

https://www.youtube.com/watch?v=9HYoTSgn5gc&list=PLQqF8sn28L9ylG87v575aUwviowI5dr8H&index=4&safe=active

5. Record the two times table in a ratio table
NCETM

$0 \times 2 = 0$

Lesson 5 — 21:43

https://www.youtube.com/watch?v=fhJVHO88lEI&list=PLQqF8sn28L9ylG87v575aUwviowI5dr8H&index=5&safe=active

6. Practise counting in twos
NCETM

Lesson 6 — 14:46

https://www.youtube.com/watch?v=reB8C5CAIjs&list=PLQqF8sn28L9ylG87v575aUwviowI5dr8H&index=6&safe=active

7. Finding missing factors and products, using knowledge of the two times table
NCETM

Lesson 7 — 20:42

https://www.youtube.com/watch?v=ZpoPrIC7YLM&list=PLQqF8sn28L9ylG87v575aUwviowI5dr8H&index=7&safe=active

8. The two times table: looking for patterns and relationships
NCETM

factor

Lesson 8 — 19:09

https://www.youtube.com/watch?v=C40sn3CaGto&list=PLQqF8sn28L9ylG87v575aUwviowI5dr8H&index=8&safe=active

9. How to find an unknown using a known fact
NCETM

Lesson 9 — 12:56

https://www.youtube.com/watch?v=IurRWu_cU2U&list=PLQqF8sn28L9ylG87v575aUwviowI5dr8H&index=9&safe=active

10. Varied practice applying knowledge of the two times table

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https://www.youtube.com/watch?v=IyivyByj7Ug&list=PLQqF8sn28L9ylG87v575aUwviowl5dr8H&index=11&t=0s&safe=active