Multiply Fractions by whole numbers

In this lesson:

- you will understand that multiplication is the same as repeated addition.
- you will be able to use a fraction diagram to multiply proper fractions by whole numbers.
- you will be able to give the answer to a multiplication calculation as a mixed number.

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Write how many yellow segments there are as a mixed number.

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Write how many yellow segments there are as a mixed number.

Multiplying a fraction by a whole number is the same as repeated addition.

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Multiplying a fraction by a whole number is the same as repeated addition.

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The answer to this fraction multiplication is an improper fraction:

The answer can be written as an equivalent mixed number:

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Multiplying a fraction by a whole number is the same as repeated addition.

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The answer to this fraction multiplication is an improper fraction:

The answer can be written as an equivalent mixed number:

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Look at the calculations we have completed so far.

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What happens to the **numerator** when you multiply a fraction by a whole number?

What happens to the **denominator** when you multiply a fraction by a whole number?

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Your turn- Complete p3 in your maths booklet

