

BBC LEARNING PRESENTS

Super Movers – Live Lesson

Date: Thursday 18th January 2018

Time: 2:00pm

Watch the webcast live or recorded on the Live Lessons website

Duration:

Live Lesson: 35 minutes (approx.)

Live Lessons EXTRA: 30 minutes (available on the website within the week)

Location:

bbc.co.uk/livelessons

Curriculum links include:

England Lower KS2: Maths

Year 3

- Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts, dividing one-digit numbers or quantities by 10
- Compare and order unit fractions, and fractions with the same denominators

Year 4

- Recognise and show, using diagrams, families of common equivalent fractions
- Recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten
- Recognise and write decimal equivalents of any number of tenths and hundredths
- Recognise and write decimal equivalents $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$
- Find the effect of dividing a one or two digit number by 10 and 100, identifying the value of digits in the answer as ones, tenths and hundredths
- Solve simple money problems involving fractions and decimals to two decimal places

England Upper KS2: Maths

Year 5

- Transferring simple fractions into percentages
- Recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal
- Solve problems which require knowing percentage and decimal equivalents

Scotland P4 (first level) 7-8

Maths

- Show how a single item can be shared equally
- Understand the notation and vocabulary associated with fractions
- Explore how groups of items can be shared equally, find a fraction of an amount by applying knowledge of division
- Take part in practical activities including use of pictorial representations, demonstrate understanding of

simple fractions which are equivalent

Scotland P5 (second level) 8-9

- Investigate everyday contexts in which simple fractions, percentages or decimal fractions are used and can carry out the necessary calculations to solve related problems
- Show the equivalent forms of simple fractions, decimal fractions and percentages and choose preferred form when solving a problem, explaining my choice of method
- Investigate a set of equivalent fractions can be created, understanding the meaning of simplest form, and can apply my knowledge to compare and order the most commonly used fractions

Wales KS2: Maths Year 3

Using number skills - Fractions, decimals, percentages and ratio

- Use halves and quarters
- Halve 2-digit numbers in the context of number, money and measures
- Find fractional quantities linked to known multiplication facts, e.g. $\frac{1}{3}$ of 18, $\frac{1}{5}$ of 15
- Recognise a quarter as a half of a half

Wales KS2: Year 4 requirements

Using number skills - Fractions, decimals, percentages and ratio

- Halve 3-digit numbers in the context of number, money and measures
- Find fractional quantities using known table facts, e.g. $\frac{1}{6}$ of 30cm
- Recognise fractions that are several parts of a whole, e.g. $\frac{2}{3}$, $\frac{3}{10}$

Northern Ireland Year 4-5 ages 7-9:

Key Stage 1

- develop different approaches to problem solving
- represent work in a clear and organised way, using symbols where appropriate
- understand that the place of the digit indicates its value
- recognise and use simple everyday fractions

Key Stage 2

- interpret situations mathematically using appropriate symbols or diagrams
- recognise general patterns and relationships and make predictions about them
- develop an understanding of place value up to two decimal places
- estimate and approximate to gain an indication of the size of a solution to a calculation or problem
- understand and use vulgar fractions, decimal fractions and percentages and explore the relationships between them

Setup

How much space and equipment is needed?

The lesson can be screened in a classroom with a large screen linked to a reliable broadband connection. Good audio equipment is not essential but will make the event more enjoyable.

Worksheets:

Live Lesson

Your students will need copies of the following activity sheets for the live programme:

- **Live Lesson: Activity Sheet 1 – Fractions and Equivalent Fractions**
- **Live Lesson: Activity Sheet 2 – Fractions to Decimals**
- **Live Lesson: Activity Sheet 3 – Fractions to Percentages**
- **Live Lesson: Activity Sheet 4 – Final Scores: Addition**

Live Lessons EXTRA

Your students will need copies of the following activity sheets for the EXTRA programme:

- **Live Lesson: Activity Sheet 1 – Fruit Sale!**

In this maths lesson students will get active, as well as solving mental and written maths challenges.

You may wish to ensure children are a safe distance away from each other and from furniture to join in with the Super Movers Brain Boosters.

How many students can participate?

It's completely up to you how many students you have participating in the session. We want to get as many students as possible engaged in the Live Lesson.

How to prepare for the Live Lesson

Before the lesson

This Live Lesson is part of Super Movers. Brought to you by the Premier League and BBC, Super Movers will encourage teachers to adopt an active approach to learning and include physical activity throughout the day.

Super Movers gives teachers video content-led ideas and simple solutions to help children learn while they move - all free, fun, and easy to use in the classroom.

To find out more about Super Movers and access a collection of teaching resources, visit the Super Movers website at www.bbc.co.uk/supermovers

Sign up for the Super Movers newsletter that brings together relevant highlights from our campaign - be the first to know about Super Movers latest video releases and get exciting news and information about upcoming Super Movers events.

Get involved, enter the prize draw and your school could win some amazing Premier League-inspired rewards including prizes, certificates and stickers to help incentivise children.

Ahead of the live broadcast you can send in comments and photos of your class preparing for the Live Lesson to live.lessons@bbc.co.uk, and they could be featured in the programme.

Please note: If you are sending in any images or videos that feature children, please ensure that you have parental permission, as they may be shown during the Live Lesson and on our website. In the email, please confirm your official relationship to the child/children featured, e.g. teacher, Brownie group leader, sports coach etc. and confirm that you have sought prior parental consent. Please also ensure the material is not sensitive or controversial. Read our [Terms and Conditions](#) for more information.

Live Lesson content

Overview

We'll be working with the Premier League to bring you the most active maths lesson you've ever had!

Students will watch as our special guests take part in fun maths challenges which will help them with key areas of the numeracy curriculum; **fractions, decimals, addition, percentages and money**. These will be interspersed with Super Movers Brain Booster videos that pupils can get involved with to help them stay alert and active during the lesson.

Remember you can email your students' Super Moves to live.lessons@bbc.co.uk or use the hashtag **#bbclivelessons**, and they could be featured on the Live Lesson.

Fractions

In this section with the help of our special guests we'll explaining what fractions are, how to recognise them and how to work out equivalent fractions.

During the Live Lesson, students will be asked to recognise fractions and equivalent fractions and write them down on **Live Lesson: Activity Sheet 1 – Fractions and Equivalent Fractions**.

Our special guests will then take part in a challenge and the audience will need to pay attention as the results of the contest will form part of this maths lesson.

Decimals

In this part of the Live Lesson we learn how convert a fraction to a decimal.

We will then order these decimals from smallest to biggest to help work out which of our special guests is leading the challenge.

The children will write their answers to this section on **Live Lesson: Activity Sheet 2 - Fractions to Decimals**.

Percentages

In the final section our special guests will star in a Goal Saving challenge. Students will need to keep a note of these scores on **Live Lesson: Activity Sheet 3 – Fractions to Percentages** because they will be used later.

In this section we will touch upon how fractions relate to percentages.

Once all the scores are in we will be asking students to work out the scores of our special guests using addition to help us crown our Live Lesson Challenge Champion.

Live Q&A session

The Live Lesson will end with a live question and answer session with our expert guests. If your students would like to put their questions to our experts on maths or football, you can send them in to live.lessons@bbc.co.uk or use the hashtag **#bbclivelessons** before and during the live programme.

We will try and answer as many as we can during the live show or in the follow up Live Lessons EXTRA – which is available on demand within the week of the live broadcast.

Live Lessons EXTRA content

This lesson will not be broadcast live but will be available on demand on our website bbc.co.uk/livelessons within the week of the live broadcast.

This EXTRA lesson builds on the first programme and involves two Question and Answer sessions.

Children will build on their knowledge of fractions and decimals from the Live Lesson learning how to solve money problems in our Live Lessons EXTRA fruit sale.

We'll also be getting everyone to show off their Super Moves with another Brain Booster.

Contact us

Want your school to be featured on the Live Lesson? We'd also love to see examples of your students' work.

Let us know if your school is planning to tune in on the day, your school name could also be featured on the programme.

You can contact the Live Lessons team on email live.lessons@bbc.co.uk, or by using the hashtag **#bbclivelessons**. We'll aim to answer as many of your questions as possible.

Thank you for your interest in our Live Lesson, and we hope you'll join us on 18th January.