# Tenths and Hundredths as Decimals

Year 4 Maths — fractions written in a new way



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# Today we will...



## WE ARE LEARNING TO

Recognise tenths and hundredths as fractions and decimals

Write any number of tenths or hundredths as decimals

## SUCCESS LOOKS LIKE

- ✔ I can read 0.6 as six tenths
- ✔ I can write 45/100 as 0.45
- ✔ I can put tenths and hundredths in the right place



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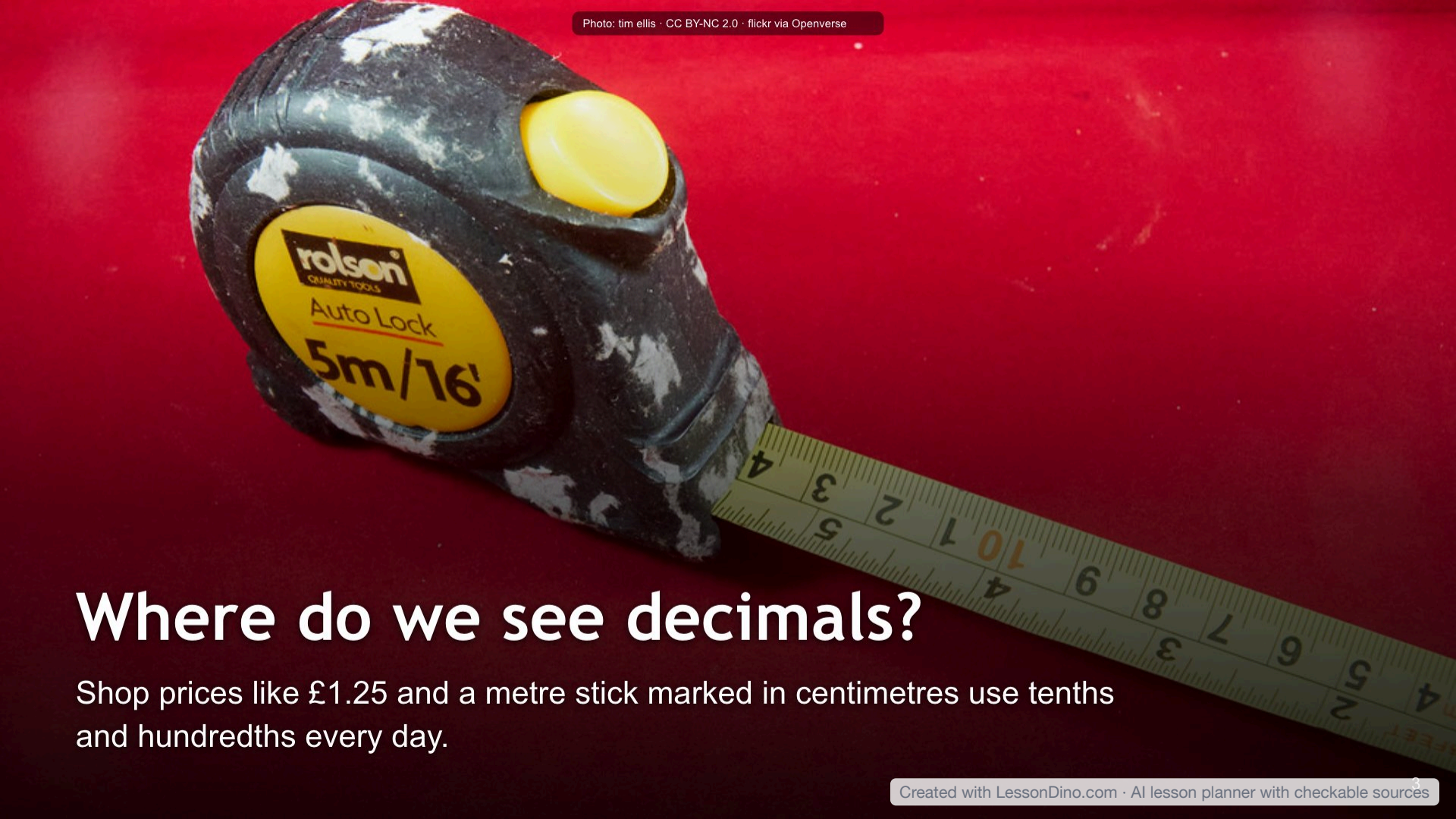


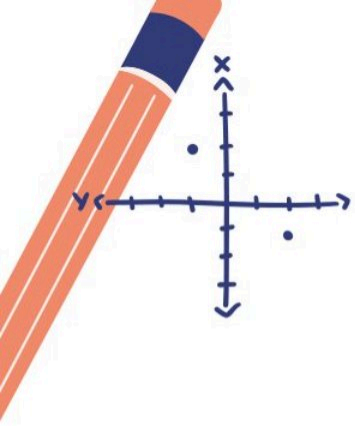

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# Where do we see decimals?

Shop prices like £1.25 and a metre stick marked in centimetres use tenths and hundredths every day.



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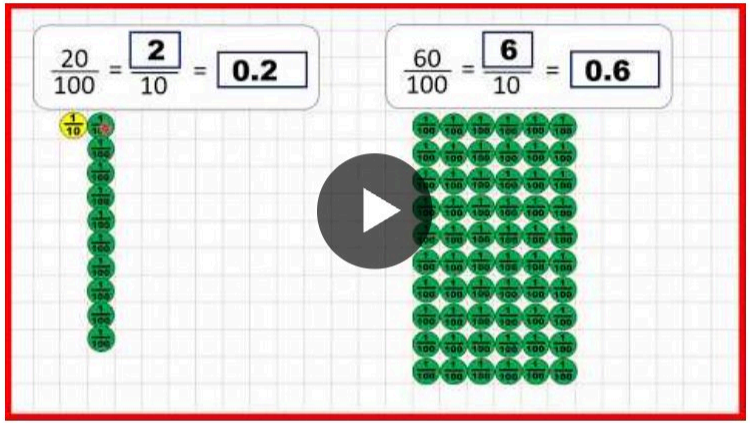



BIG IDEA

# A decimal point separates ones from tenths and hundredths.

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# Watch: tenths to decimals



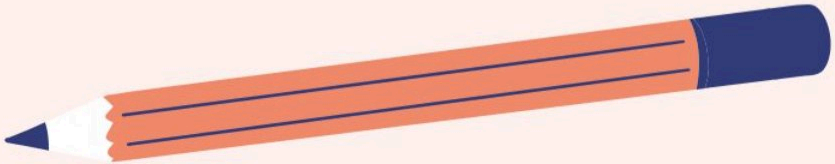

▶ 0:00 – 3:33

- Listen for how 3/10 becomes 0.3
- Spot where tenths sit after the dot



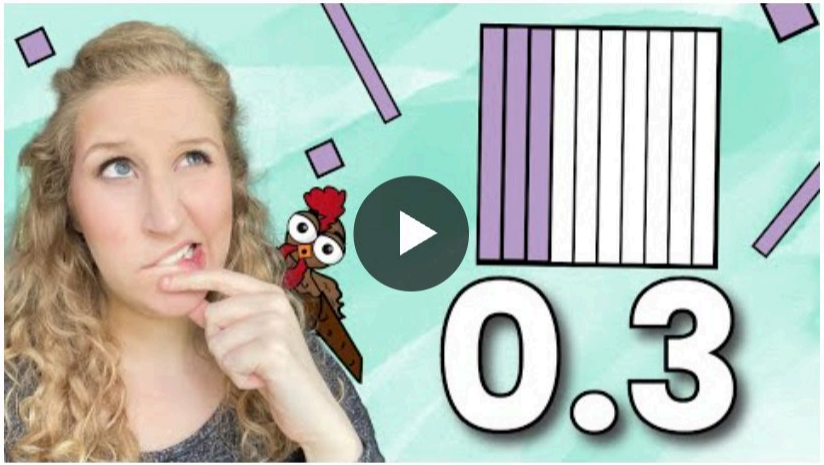
# Steps to write decimals

1. Count how many tenths or hundredths
2. Write ones, then a dot for decimal point
3. Put tenths first, hundredths next
4. Use 0 to hold an empty place



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# Watch: hundredth grids




▶ 0:00 – 2:36

- Watch how the 100-grid shows hundredths
- Listen for saying 0.23 as twenty-three hundredths

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# Your task

**In pairs, match fractions to decimals and show them on grids.**

1. Pick a tenths or hundredths fraction
2. Colour it on a 10-strip or 100-grid
3. Write the decimal and read it aloud

**10 min**

**In pairs**



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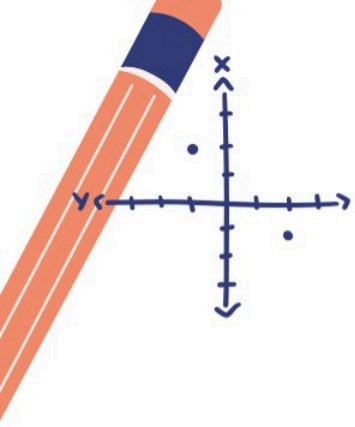
DID YOU KNOW?

# 1p is £0.01 — one hundredth of a pound!

Money uses hundredths daily, just like 1 cm is 0.01 m.




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# What helps you most?

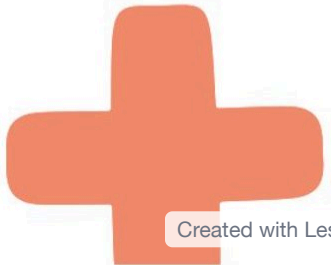
## Which picture helps you see 0.36 best?

**A** 100-grid with 36 squares coloured

**B** Number line from 0 to 1

**C** 36p out of £1.00

Vote with your hands, then explain why.



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# Quick quiz

1. Write 4 tenths as a decimal.
2. Write 23 hundredths as a decimal.
3. What fraction is 0.09?
4. Which is bigger: 0.5 or 0.35? Why?





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