Year 3: Week 3, Day 3 Equivalent fractions and decimals

Each day covers one maths topic. It should take you about 1 hour or just a little more.

- Start by reading through the Learning Reminders. They come from our *PowerPoint* slides.
- Tackle the questions on the Practice Sheet. There might be a choice of either Mild (easier) or Hot (harder)! Check the answers.

3. Finding it tricky? That's OK... have a go with a grown-up at A Bit Stuck?

 Have I mastered the topic? A few questions to Check your understanding.
 Fold the page to hide the answers!

1.



iden	tify the value of the '4' in the following numbers:
(a)	3.407
(b)	4.821
(c)	0.043
(d)	5.104
(e)	48,739
How	many times must Dan multiply 0.048 by 10 to get 48,000



Write a number that goes between 2.3 and 2.4.



Learning Reminders



Learning Reminders







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A Bit Stuck? Sticky tenths

Work in pairs, but stick your fraction strips into your own book/on paper.

Things you will need:

- Tenths strips
- Scissors
- Glue sticks
- A pencil

What to do:

- Choose at least three numbers less than 1 and at least three numbers more than 1 to show using your tenths strips.
- Write the number and stick the strips by the side.
- Each time, write the number in the place value grid below. Remember to draw the decimal point each time.

1.1, 0.8, 1.6, 2.1, 1.2, 0.1, 0.3, 2.5, 0.5, 2.2

ls •	0.1s 1/10.5

S-t-r-e-t-c-h:

Write all your numbers in order from smallest to largest.

Learning outcomes:

- I can understand the value of each digit in numbers with one decimal place.
- I am beginning to order numbers with one decimal place.

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Check your understanding: Questions

Always true, sometimes true or false?

- One half is zero point five
- A number of fifths can be written as an equivalent
- number of tenths
- A number of tenths can be written as an equivalent
- number of fifths
- \rightarrow ⁴/₅ is less than ⁴/₁₀
- Counting in tenths is the same as counting in 0.1s
- > If I count on in steps of 0.1, the number after zero point nine is zero point ten.

Fold here to hide answers:

Check your understanding: Answers

Always true, sometimes true or false?

- One half is zero point five Always true.
- A number of fifths can be written as an equivalent number of tenths Always true e.g. 1/5 = 2/10, 2/5 = 4/10 etc.
- A number of tenths can be written as an equivalent number of fifths Sometimes – if the numerator is even (see above), however, if the numerator is odd then there is no equivalent number of fifths.
- $\frac{4}{5}$ is less than $\frac{4}{10}$ False it is equivalent to $\frac{8}{10}$, which is greater.
- Counting in tenths is the same as counting in 0.1s True.
- If I count on in steps of 0.1, the number after zero point nine is zero point ten.
 False —it is 1.