# Year 4: Week 1, Day 1 **Decimals on number lines**

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. 1. They come from our *PowerPoint* slides.

Tackle the questions on the **Practice Sheet**. 2. There might be a choice of either Mild (easier) or Hot (harder)! Check the answers.

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

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





4538+02

3. 4538-0.004

6.231 + 0.11

7 6231+0011

5.846 - 0.13

11. 5.846 - 0.204

4. 4538-0.02

6.231 + 0.10

8 5.846 - 0.211

10. 5.846 - 0.013

12. 4.789 + 0.00

Deduce the decimal	15	0.001s
Week or peer Thing: you will need: - Nex different colured pancis - A plane what that - A plane what that - A plane		
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5-1-1-e+1-(h) Hing numbers in only since or even rule columns to make numbers with since decimal places which use 0 is a place holder.		
Learning extraore: - lines we reade of each dig insurbors with three decred pieces: - I an beginning to are sets as a piece holder insurbors with three decred pieces.		
na dibarin di hali arabarisi dalah kuan sabili		

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?
Wha	t number is one hundred times smaller than 0.4?

### **Learning Reminders**



# **Learning Reminders**



## **Learning Reminders**









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

### Things you will need:

- Tenths strips
- Scissors
- Glue sticks

#### 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.
- Look at each number written in the table below.
- Write the number and stick the strips by the side.

ls	•	0.1s
0	•	2
0	•	7
1	+	2
2	+	1
2	•	4
1	•	8
0	•	6
1	•	5
2	•	3
	1	



### 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

Write each number as a decimal:

(i) One and four tenths

(ii) <sup>6</sup>/<sub>10</sub>

(iii)  $10^2/_{10}$  (ten and two tenths)

(iv) One half

(v) One fifth

Billy measured his mobile phone. These were its dimensions: Length = 12cm and 8mm Width = 64mm Thickness = 8mm Write these as numbers of centimetres, with a decimal place if necessary.

Write four numbers with one decimal place between 3 and 4. Two should be closer to 3 and then 4 and two should be closer to 4 than 3.

#### Fold here to hide answers

# Check your understanding Answers

Write each number as a decimal:

- (i) One and four tenths 1.4
- (ii)  ${}^{6}/_{10}$  0.6
- (iii)  $10^2/_{10}$  (ten and two tenths) 10.2
- (iv) One half 0.5
- (v) One fifth 0.2

Check on a fraction/decimal number line.

Billy measured his mobile phone.

These were its dimensions:

Length = 12cm and 8mm 12cm and 0.8cm

Width = 64mm 6.4cm

Thickness = 8mm 0.8cm

Write these as numbers of centimetres, with a decimal place if necessary.

Write four numbers with one decimal place between 3 and 4. Two should be closer to 3 and then 4 and two should be closer to 4 than 3. E.g. 3.2 and 3.4, and 3.6 and 3.9.