Place value of decimals
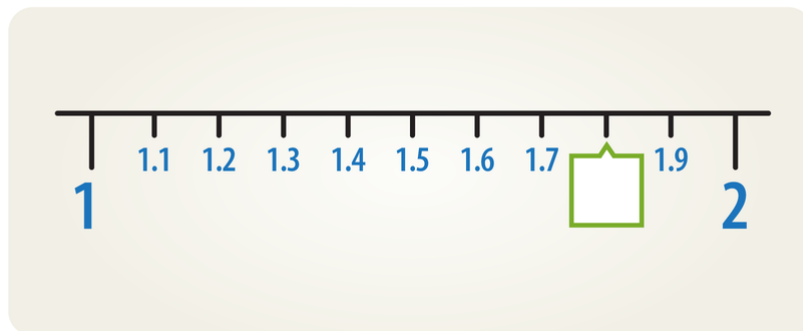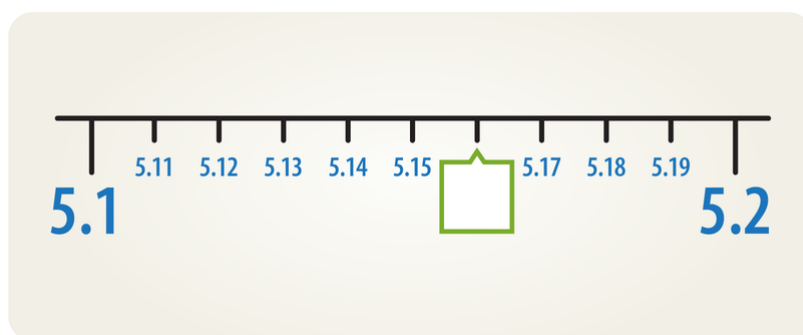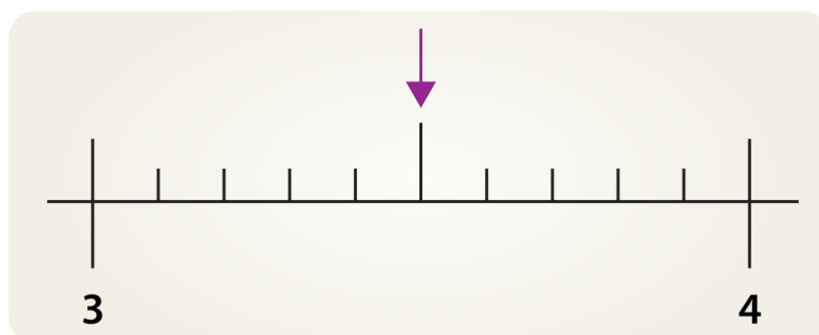
1: What number should go in the box on the number line below?
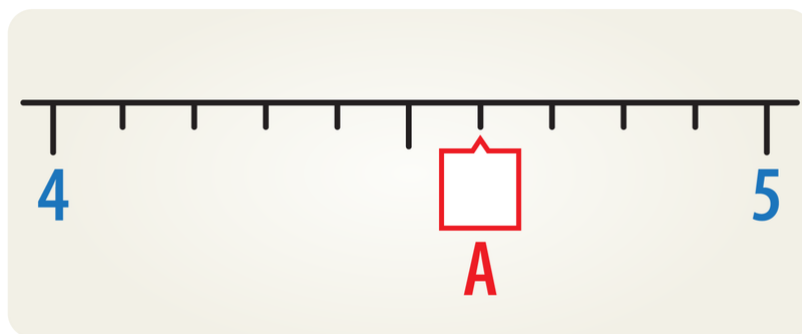

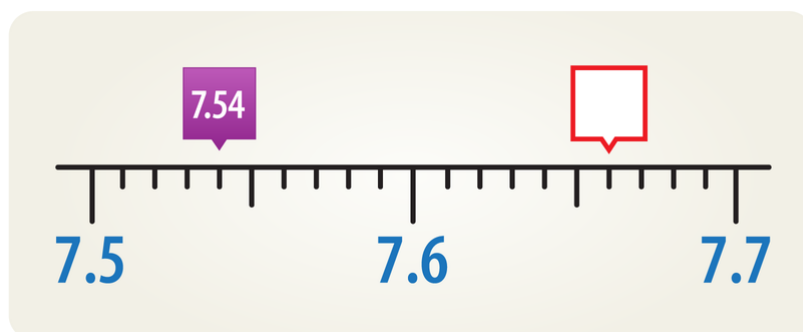**2:** What number should go in the box on this number line?

3: The arrow points to the number that is **halfway** between 3 and 4. What number is the arrow pointing to?

4: What number should go in box A on this number line?

5: Look at the number line below.
What value should go in the red box?

Task 2

1: What is **six point one five** written in figures?

2: Write 1.34 in words.

3: In which of the following numbers does the digit 3 have the value **three tenths**?

3.16 0.34 0.43 0.863

4: Which one of these numbers is equal to $\text{six units} + \text{seven tenths}$?

$0.67,$ $0.76,$ $6.7,$ $7.6,$ $67,$ 76

5: Arrange the number cards in the grid below to form five different decimal numbers with a 3 in the **tenths** column.

| 1 (One) | 3 (Three) |
| 6 (Six) | 7 (Seven) |

T	U	$\frac{1}{10}$	$\frac{1}{100}$

6: Which of these decimals has 1 unit, 6 tenths and 4 tens?

$61.4, \quad 41.6, \quad 16.4, \quad 14.6, \quad 64.1, \quad 46.1$

Task 3

1: What number should go in the red box to complete the sum?

U	$\frac{1}{10}$	$\frac{1}{100}$
6	1	2

$$6.12 \ = \ 6 \ + \ 0.1 \ + \ \boxed{}$$

2: Write down the number that should go in the empty box below.

$$\boxed{\textbf{Example} \quad 4.83 = 4 + 0.8 + 0.03}$$

$$5.62 = 5 + \boxed{} + 0.02$$

3: What is $4 + 0.9 + 0.03$?

4: What is $10 + 0.4 + 0.09$?
Give your answer as a **decimal**.

5: Write down the number that should go in the empty box to make the addition correct.

$$5.603 = 5 + 0.6 + \boxed{}$$

6: Work out $400 + 3 + 0.6 + 0.007$

Core:

1. 1.8
2. 5.16
3. 3.5
4. 4.6
5. 7.66

Extension:

1. 6.15
2. One point three four
3. 0.34
4. 6.7
5. E.g. 16.37
6. 41.6

Challenge:

1. 0.02
2. 0.6
3. 4.93
4. 10.49
5. 0.003
6. 403.607