

To be able to count in tenths

**MathShed**

**Starter:**  
If the completed diagrams represent the second and third steps in a sequence, what came before and what comes afterwards?

Explain your answer.

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**Activity 1:**  
Complete the sequence below.

$\frac{2}{10}$    $\frac{4}{10}$   $\frac{5}{10}$    $\frac{7}{10}$   $\frac{8}{10}$   $\frac{9}{10}$

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**Activity 2:**  
Complete the sequence below.

$\frac{9}{10}$    $\frac{7}{10}$   $\frac{6}{10}$    $\frac{4}{10}$    $\frac{2}{10}$

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**Activity 3:**  
Complete the sequences below.

$\frac{1}{10}$    $\frac{3}{10}$   $\frac{4}{10}$    $\frac{6}{10}$   $\frac{7}{10}$    $\frac{9}{10}$   $\frac{10}{10}$

$\frac{10}{10}$    $\frac{8}{10}$   $\frac{7}{10}$    $\frac{5}{10}$   $\frac{4}{10}$    $\frac{2}{10}$   $\frac{1}{10}$

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**Activity 4:**  
Which fraction does each arrow represent?

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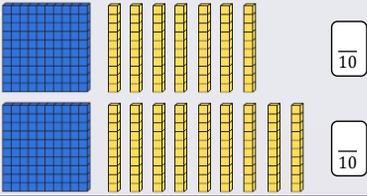
**Activity 5:**  
Place the following fractions on the number line below:  $\frac{7}{10}$ ,  $\frac{13}{10}$ ,  $\frac{18}{10}$ .

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Activity 6:

If a hundred piece represents one whole, what is represented below?



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Evaluation:



If Bumble is thinking of a tenth fraction that is greater than 1 and has an odd numerator, Bumble could be thinking of  $\frac{14}{10}$ .

Do you agree?

List other possibilities (in order) to explain your answer.