

2) This is sometimes true. Accept any correct examples that children give. Here is one possible answer:

Here is an example when it is true: $\frac{30}{100}$ is smaller than $\frac{4}{10}$ because $\frac{4}{10} = \frac{40}{100}$. Here is an example when it is not true: $\frac{95}{100}$ is larger than $\frac{6}{10}$ because $\frac{6}{10} = \frac{60}{100}$.

3) Accept other correct ways of recording the correction in tenths and hundredths.

Equivalents	✓ or ×	Correction
$\frac{30}{100} = \frac{3}{10}$	\checkmark	
$\frac{55}{100}$ = $\frac{5}{10}$ and $\frac{5}{100}$	~	
$\frac{49}{10} = \frac{4}{10}$ and $\frac{9}{10}$	×	$\frac{49}{100} = \frac{4}{10}$ and $\frac{9}{100}$
$\frac{89}{100}$ = $\frac{8}{100}$ and $\frac{9}{10}$	×	$\frac{89}{100} = \frac{8}{10}$ and $\frac{9}{100}$
$\frac{7}{10}$ and $\frac{4}{100} = \frac{74}{10}$	~	
<u>65</u> = 6 and <u>5</u> 100	×	$\frac{65}{10} = 6 \text{ and } \frac{5}{10}$

1) Multiple answers possible. Here is one possible answer:

 $\frac{79}{100}$ < $\frac{80}{100}$ = $\frac{8}{10}$ > $\frac{45}{100}$ < $\frac{5}{10}$

2) Multiple answers possible. Here is one example:

<u>40</u> 100	=	2/10 and 2/10
<u>42</u> 10	>	40/00 and 7/10
<u>60</u> 100	<	2/10 and 38/100
<u>82</u> 100	>	2/10 and 3/10
50 100 and 2	=	30 100 and 40
<u>38</u> 100	<	2/10 and 8/10

3) Accept arrows drawn closely to the answers shown.







1)	Is Mohamed right or wrong? Explain what you know about the denominator in your answer.	Mohamed <u>5</u> 100 is greate because 100	er than $\frac{5}{10}$. I know this is greater than 10.		
2)	Is this always, never or sometimes tru Give examples in your explanation.	ıe?	A number that contai is smaller than a num contains tenths.	ns hundredths iber that	
3)	Cara has been writing equivalents ber mistake, write the correct answer.	ween tenths an	d hundredths. Tick or cr Correctio	oss each statement. If n	there is a
	$\frac{30}{100} = \frac{3}{10}$				

$\frac{55}{100}$ = $\frac{5}{10}$ and $\frac{5}{100}$	
$\frac{49}{10} = \frac{4}{10}$ and $\frac{9}{10}$	
89/100 = 8/100 and 9/10	
7/10 and 4/100 = 74/10	
$\frac{65}{10}$ = 6 and $\frac{5}{100}$	

1) Complete the following. Write a different number in each empty box.





2) Use these fractions to complete the comparison statements. You can use each fraction more than once. The first one has been done for you.

<u>40</u> 100	=	$\frac{2}{10}$ and $\frac{2}{10}$	<u>30</u> 100	<u>27</u> 100
<u>42</u> 10	>	and	<u>50</u> 100	<u>40</u> 100
<u>60</u> 100	<	and	<u>38</u> 100	<u>82</u> 100
<u>82</u> 100	>	$\frac{2}{10}$ and $\frac{1}{10}$	2 10	<u>3</u> 10
and	=	and	<u>8</u> 10	<u>42</u> 10
	<	and	7 10	<u>22</u> 10

3) Draw arrows to mark where each fraction should go on the number line.







Diving into Mastery Guidance for Educators

Each activity sheet is split into three sections, diving, deeper and deepest, which are represented by the following icons:



These carefully designed activities take your children through a learning journey, initially ensuring they are fluent with the key concept being taught; then applying this to a range of reasoning and problem-solving activities.

These sheets might not necessarily be used in a linear way. Some children might begin at the 'Deeper' section and in fact, others may 'dive straight in' to the 'Deepest' section if they have already mastered the skill and are applying this to show their depth of understanding.

Aim

• Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.







Deeper



Cara has been writing equivalents between tenths and hundredths. Tick or cross each statement. If there is a mistake, write the correct answer.

Equivalents	✓ or ×	Correction
$\frac{8}{10} = \frac{80}{100}$	✓	
$\frac{87}{100} = \frac{8}{100}$ and $\frac{7}{100}$	×	$\frac{87}{100} = \frac{8}{10}$ and $\frac{7}{100}$
$\frac{1}{10}$ and $\frac{83}{100} = \frac{93}{100}$	✓	
$\frac{79}{100} = \frac{7}{100}$ and $\frac{9}{10}$	×	$\frac{79}{100} = \frac{7}{10}$ and $\frac{9}{100}$
	L	1





Write a different digit in each box to complete the statement correctly.

$$\frac{20}{100} = \frac{2}{10} < \frac{40}{100} = \frac{4}{10} > \frac{38}{100}$$

There are lots of different ways to complete this correctly. Here is one example:





Dive in by completing your own activity!











1) Complete the following. Write a different number in each empty box.



2) Use these fractions to complete the comparison statements. You can use each fraction more than once. The first one has been done for you.

<u>30</u> 100	<u>27</u> 100	1	<u>50</u> .00	<u>40</u> 10) 0	<u>38</u> 100	<u>82</u> 100
$\frac{2}{10}$	$\frac{3}{10}$		<u>8</u> 10	<u>42</u> 10)	<u>7</u> 10	<u>22</u> 10
<u>40</u> 100			= $\frac{2}{10}$ and $\frac{2}{10}$		2 10		
<u>42</u> 10			;	>	and		
<u>60</u> 100			<	<	and		
<u>82</u> 100			> 2/10 and 10		 - 10		
and			=		and		
			<	<		and	

3) Draw arrows to mark where each fraction should go on the number line.



1) Complete the following. Write a different number in each empty box.



2) Use these fractions to complete the comparison statements. You can use each fraction more than once. The first one has been done for you.



3) Draw arrows to mark where each fraction should go on the number line.

