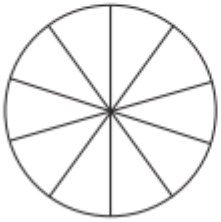
Group A:

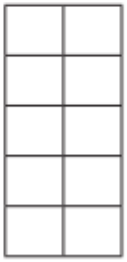
Day 1:

Colour in each shape to match one of the following fractions:

$\frac{1}{10}$	$\frac{2}{10}$	$\frac{3}{10}$	$\frac{4}{10}$	$\frac{5}{10}$	$\frac{6}{10}$	$\frac{7}{10}$	$\frac{8}{10}$	$\frac{9}{10}$	$\frac{10}{10}$

1. 

2. 

3. 

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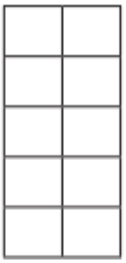
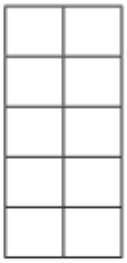
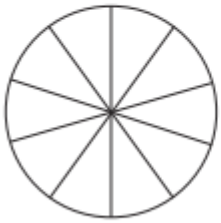
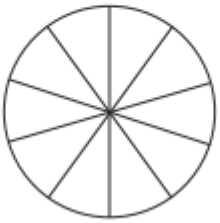
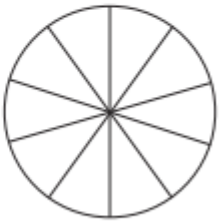
5. 

6. 

7. 

8. 

10. 

9. 

Draw and shade shapes to show the following fractions:

1. $\frac{4}{10}$ 2. $\frac{8}{10}$ 3. $\frac{9}{10}$ 4. $\frac{1}{10}$ 5. $\frac{7}{10}$

6. $\frac{2}{10}$ 7. $\frac{6}{10}$ 8. $\frac{5}{10}$ 9. $\frac{10}{10}$ 10. $\frac{3}{10}$

Day 2:

Hundredths and tenths

- Count up and down in hundredths
- Recognise that hundredths arise when dividing by 100 and dividing tenths by 10

Example 1 Write the missing hundredths.

a $\frac{13}{100}$, $\frac{14}{100}$, ☐, $\frac{16}{100}$, ☐, ☐, $\frac{19}{100}$, ☐, $\frac{21}{100}$, ☐

b $\frac{27}{100}$, ☐, $\frac{29}{100}$, ☐, ☐, $\frac{32}{100}$, ☐, ☐, $\frac{35}{100}$, ☐

c $\frac{62}{100}$, ☐, ☐, ☐, $\frac{66}{100}$, ☐, ☐, ☐, $\frac{70}{100}$, ☐

d ☐, $\frac{50}{100}$, ☐, ☐, ☐, $\frac{54}{100}$, ☐, ☐, ☐, $\frac{58}{100}$

Example 2 1 Count on in hundredths 10 times from these fractions.

a $\frac{25}{100}$ b $\frac{38}{100}$ c $\frac{50}{100}$ d $\frac{67}{100}$ e $\frac{80}{100}$ f $\frac{86}{100}$ g $\frac{90}{100}$

2 Count back in hundredths 10 times from these fractions.

a $\frac{60}{100}$ b $\frac{81}{100}$ c $\frac{32}{100}$ d $\frac{99}{100}$ e $\frac{55}{100}$ f $\frac{73}{100}$ g $\frac{62}{100}$

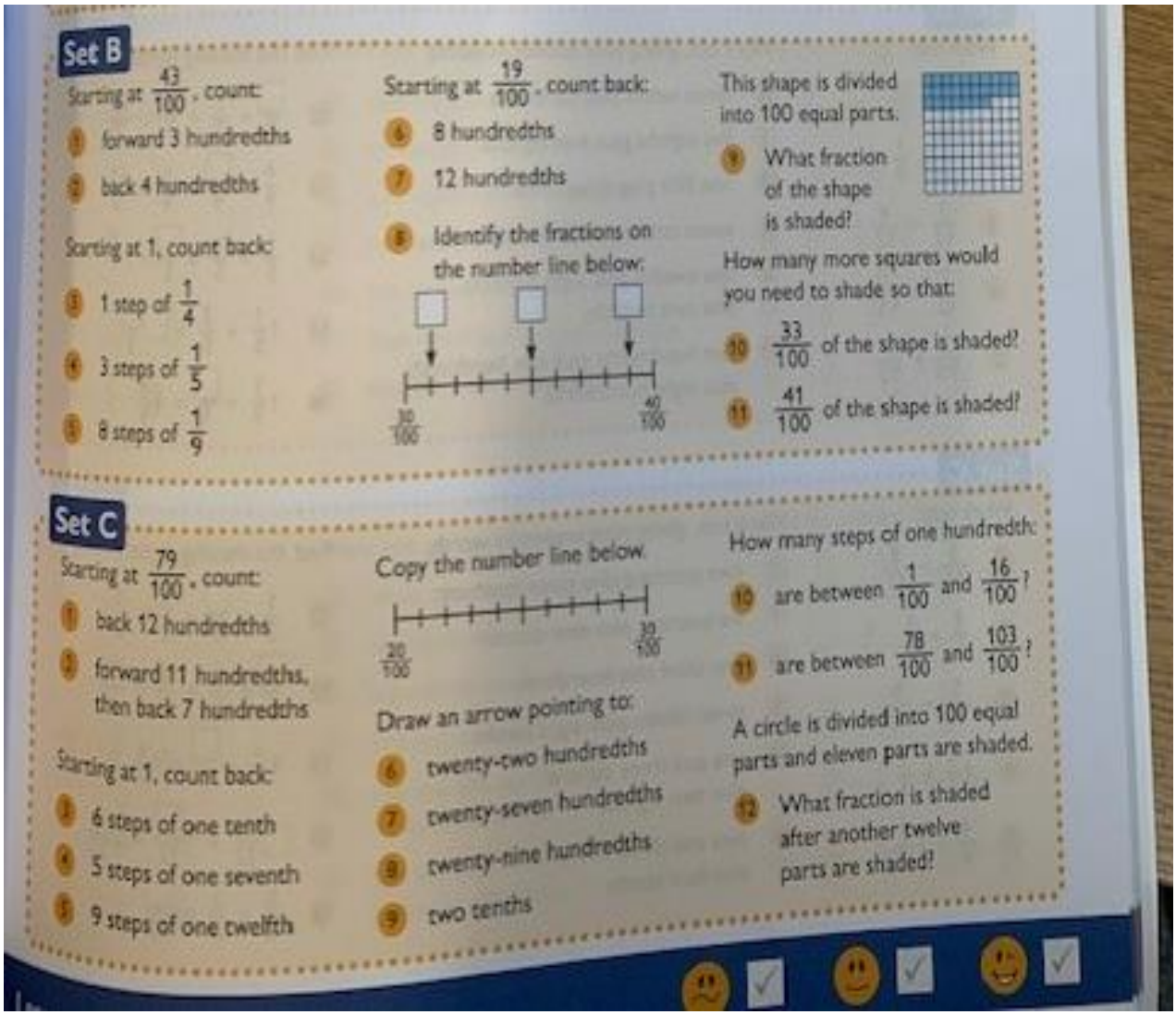
3 For each 100 grid, write the fraction that is shaded blue.

a  b  c  d  e 

Write a tenth and a hundredth describing what fraction of each 100 grid is shaded blue.

a  b  c  d  e 

Day 3:



Set B

Starting at $\frac{43}{100}$, count:

1. forward 3 hundredths
2. back 4 hundredths

Starting at 1, count back:

3. 1 step of $\frac{1}{4}$
4. 3 steps of $\frac{1}{5}$
5. 8 steps of $\frac{1}{9}$

Starting at $\frac{19}{100}$, count back:

6. 8 hundredths
7. 12 hundredths
8. Identify the fractions on the number line below:

This shape is divided into 100 equal parts.

9. What fraction of the shape is shaded?

How many more squares would you need to shade so that:

10. $\frac{33}{100}$ of the shape is shaded?
11. $\frac{41}{100}$ of the shape is shaded?

Set C

Starting at $\frac{79}{100}$, count:

1. back 12 hundredths
2. forward 11 hundredths, then back 7 hundredths

Starting at 1, count back:

3. 6 steps of one tenth
4. 5 steps of one seventh
5. 9 steps of one twelfth

Copy the number line below.

Draw an arrow pointing to:

6. twenty-two hundredths
7. twenty-seven hundredths
8. twenty-nine hundredths
9. two tenths

How many steps of one hundredth:

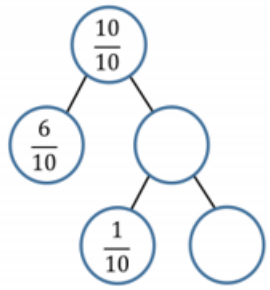
10. are between $\frac{1}{100}$ and $\frac{16}{100}$?
11. are between $\frac{78}{100}$ and $\frac{103}{100}$?

A circle is divided into 100 equal parts and eleven parts are shaded.

12. What fraction is shaded after another twelve parts are shaded?

Day 4:

Fill in the missing values.
Explain how you got your answers.



True or False?

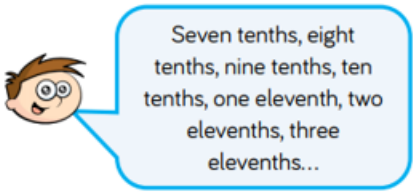
Five tenths is $\frac{2}{10}$ smaller than 7 tenths.

Five tenths is $\frac{2}{10}$ larger than three tenths.

Do you agree?

Explain why.

Teddy is counting in tenths.



Can you spot his mistake?

Odd One Out

Which is the odd one out?
Explain your answer.

Here is a number sequence.

$\frac{5}{12}, \frac{7}{12}, \frac{10}{12}, \frac{14}{12}, \frac{19}{12}, \_\_\_\_$

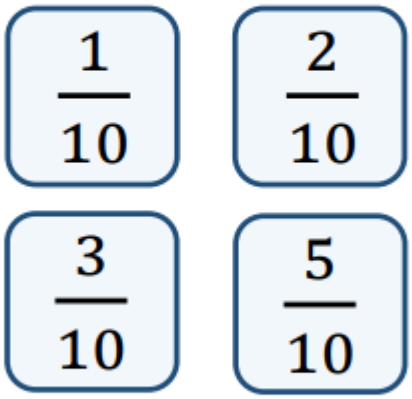
Which fraction would come next?
Can you write the fraction in more than one way?

Circle and correct the mistakes in the sequences.

$\frac{5}{12}, \frac{8}{12}, \frac{11}{12}, \frac{15}{12}, \frac{17}{12}$

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

Play the fraction game for four players.
Place the four fraction cards on the floor.
Each player stands in front of a fraction.
We are going to count up in tenths starting at 0
When you say a fraction, place your foot on your fraction.



How can we make 4 tenths?
What is the highest fraction we can count to?
How about if we used two feet?

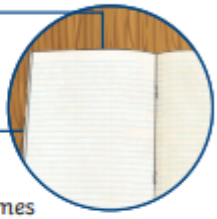
Day5

1) Is Mohamed right or wrong? Explain what you know about the denominator in your answer.

Mohamed

$\frac{5}{100}$ is greater than $\frac{5}{10}$. I know this because 100 is greater than 10.

2) A number that contains hundredths is smaller than a number that contains tenths.



Is this always, never or sometimes true? Give examples in your explanation.

3) 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
$\frac{30}{100} = \frac{3}{10}$		
$\frac{55}{100} = \frac{5}{10}$ and $\frac{5}{100}$		
$\frac{49}{10} = \frac{4}{10}$ and $\frac{9}{10}$		
$\frac{89}{100} = \frac{8}{100}$ and $\frac{9}{10}$		
$\frac{7}{10}$ and $\frac{4}{100} = \frac{74}{10}$		
$\frac{65}{10} = 6$ and $\frac{5}{100}$		

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

$\frac{79}{100} < \frac{\square}{100} = \frac{\square}{10} > \frac{\square}{100} < \frac{\square}{10}$

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.

$\frac{30}{100}$	$\frac{27}{100}$	$\frac{50}{100}$	$\frac{40}{100}$	$\frac{38}{100}$	$\frac{82}{100}$
$\frac{2}{10}$	$\frac{3}{10}$	$\frac{8}{10}$	$\frac{42}{10}$	$\frac{7}{10}$	$\frac{22}{10}$

$\frac{40}{100}$	=	$\frac{2}{10}$ and $\frac{2}{10}$
$\frac{42}{10}$	>	$\square$ and $\square$
$\frac{60}{100}$	<	$\square$ and $\square$
$\frac{82}{100}$	>	$\frac{2}{10}$ and $\square$
$\square$ and $\square$	=	$\square$ and $\square$
$\square$	<	$\square$ and $\square$

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