1 I'm going to use this piece to represent 1
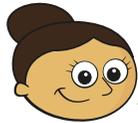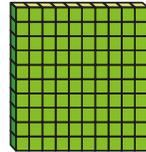
What is the value of each of these pieces?
Give your answer as a fraction.

a)

b)

$\frac{1}{10}$

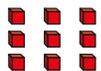$\frac{1}{100}$

2 Write <, > or = to compare the fractions.

a) $\frac{1}{10}$ ⟩ $\frac{9}{100}$
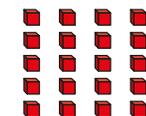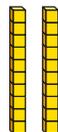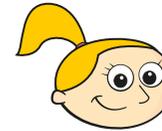
c) $\frac{1}{10}$ < $\frac{20}{100}$

b) $\frac{1}{10}$ < $\frac{12}{100}$

d) $\frac{2}{10}$ = $\frac{20}{100}$

3

Eva: You can only partition 25 hundredths into 2 tenths and 5 hundredths.

Jack: I can partition it another way.

Who do you agree with? _Jack_

Explain why.

e.g. 25 hundredths = 1 tenth + 15 hundredths

Compare answers with a partner.

4 Fill in the missing numerators to make the statements correct.

a) $\frac{3}{10} = \frac{30}{100}$

d) $\frac{20}{100} = \frac{2}{10}$

b) $\frac{7}{10} = \frac{70}{100}$

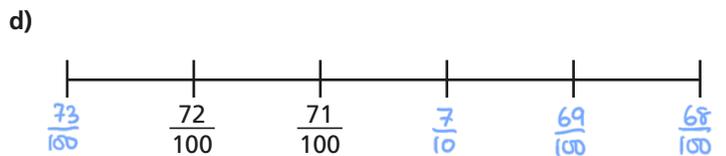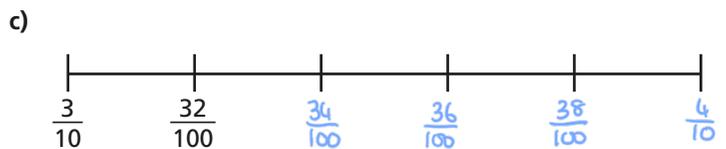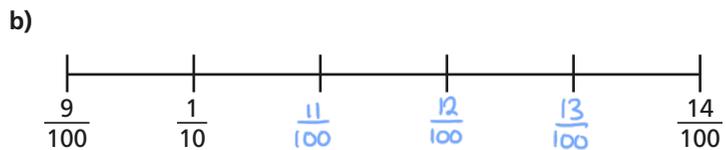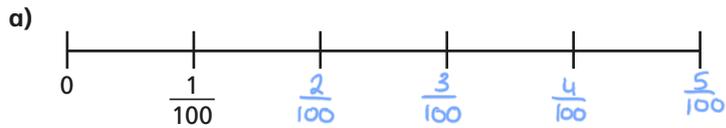e) $\frac{27}{100} = \frac{2}{10} + \frac{7}{100}$

$\frac{20}{100} + \frac{7}{100}$

c) $\frac{80}{100} = \frac{8}{10}$

f) $\frac{67}{100} = \frac{6}{10} + \frac{7}{100}$

$\frac{60}{100} + \frac{7}{100}$

5 Complete the number lines using fractions.

a)

0 — $\frac{1}{100}$ — $\frac{2}{100}$ — $\frac{3}{100}$ — $\frac{4}{100}$ — $\frac{5}{100}$

b)

$\frac{9}{100}$ — $\frac{1}{10}$ — $\frac{11}{100}$ — $\frac{12}{100}$ — $\frac{13}{100}$ — $\frac{14}{100}$

c)

$\frac{3}{10}$ — $\frac{32}{100}$ — $\frac{34}{100}$ — $\frac{36}{100}$ — $\frac{38}{100}$ — $\frac{4}{10}$

d)

$\frac{73}{100}$ — $\frac{72}{100}$ — $\frac{71}{100}$ — $\frac{7}{10}$ — $\frac{69}{100}$ — $\frac{68}{100}$

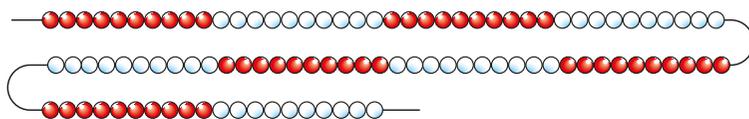**6** Amir is counting 67 hundredths on a bead string.

Amir: This will take a long time, because I have to count 67 beads.

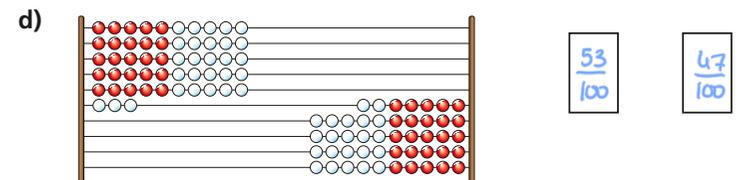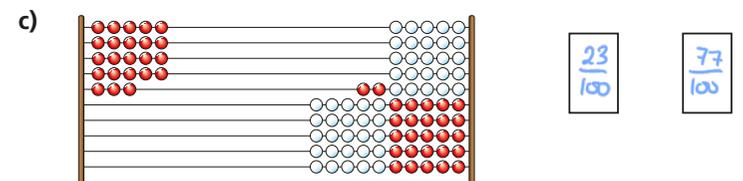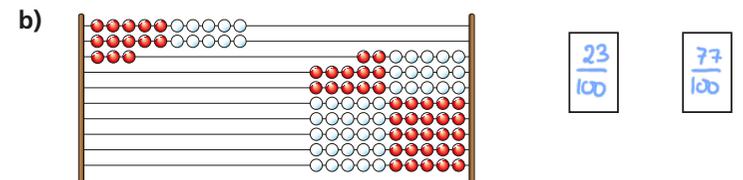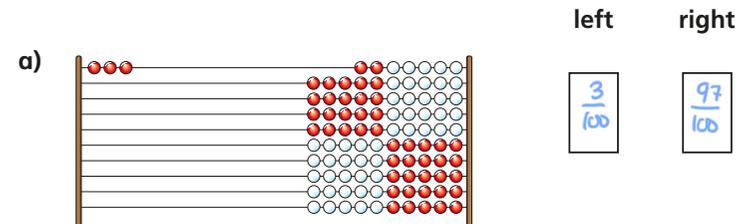Annie: You can do it faster by using tenths as well.

Explain to a partner how to use Annie's method.

7 These are Rekenreks made from 100 beads.

Each Rekenrek represents one whole.

Write the fraction represented on the left and on the right.

	left	right
a)	$\frac{3}{100}$	$\frac{97}{100}$
b)	$\frac{23}{100}$	$\frac{77}{100}$
c)	$\frac{23}{100}$	$\frac{77}{100}$
d)	$\frac{53}{100}$	$\frac{47}{100}$

Did you use the same method as your partner?