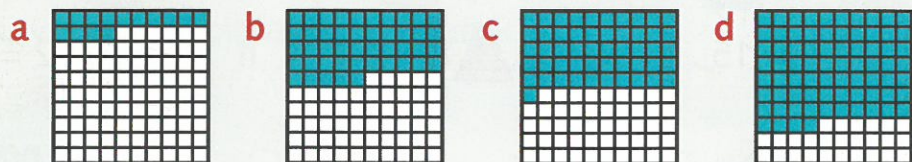


# Decimal hundredths

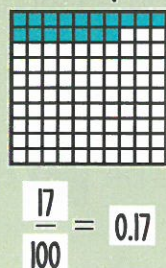
Understand the place value of hundredths



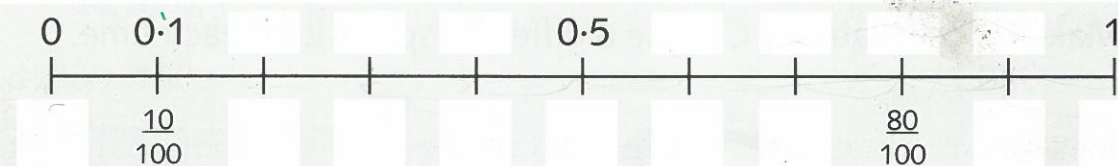
1 Count the hundredths that are shaded blue and record them as a fraction and a decimal fraction.



Example



2 Copy the number line and write the fractions and decimal fractions.



1 Write the decimal fraction that is of equal value to these fractions.

a  $\frac{7}{100}$  b  $\frac{18}{100}$  c  $\frac{22}{100}$  d  $\frac{48}{100}$  e  $\frac{56}{100}$  f  $\frac{63}{100}$  g  $\frac{76}{100}$  h  $\frac{81}{100}$

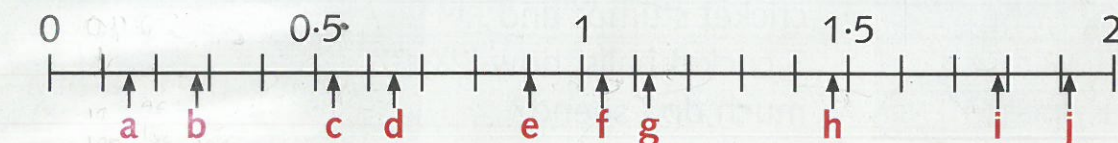
2 Write these amounts as a decimal fraction.

a 26p b 37p c 44p d 57p e 65p f 77p g 84p h 99p

1 What is the decimal fraction that is of equal value to these mixed numbers?

a  $1\frac{34}{100}$  b  $2\frac{48}{100}$  c  $2\frac{81}{100}$  d  $3\frac{75}{100}$  e  $4\frac{3}{100}$  f  $4\frac{95}{100}$  g  $5\frac{72}{100}$  h  $5\frac{83}{100}$

2 Write the approximate values as decimal hundredths for the arrows marked on the number line.

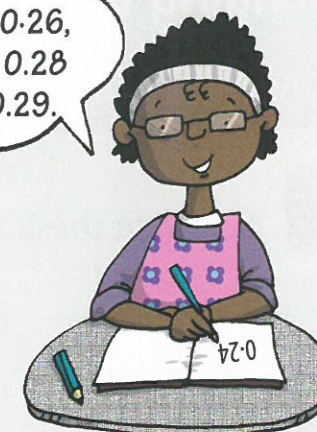


# Comparing decimals (2)

Compare numbers with two decimal places



0.25, 0.26,  
0.27, 0.28  
and 0.29.



Challenge 1

Count on in hundredths for five numbers from these decimals.

a 0.13 b 0.46 c 1.25 d 2.76 e 3.88  
f 3.59 g 4.01 h 4.38 i 4.72 j 5.09

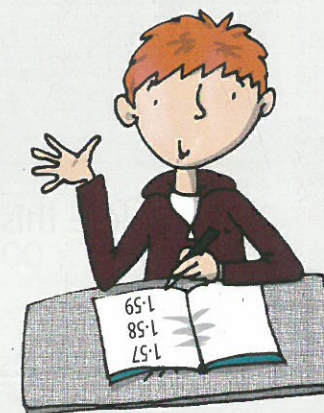
Challenge 2

1 Write these decimal numbers in order, smallest to largest.

a 1.35, 1.63, 1.82, 1.15, 1.27 b 2.82, 2.16, 2.44, 2.19, 2.95  
c 3.84, 3.27, 3.38, 3.15, 3.29 d 3.38, 3.32, 3.11, 3.89, 3.71

2 Write the decimal numbers that are one hundredth smaller and one hundredth larger than these numbers.

a 2.13 b 2.69 c 2.81 d 3.04 e 3.72



Challenge 3

1 Write a decimal number in each of the spaces, keeping each set of decimals in order.

a 5.98, , 6.10, , , 6.50, , , , , 7.25  
b , 7.16, , 7.28, , , 8, , , , 9.34  
c , , 8.01, , , 8.43, , , , , 10.06  
d , 9.21, , , , 9.99, , , , , 12.68

2 Write the greater than > or less < than sign between these numbers.

a 2.65  2.78 b 2.12  2.02 c 2.10  2.16 d 3.41  3.14  
e 4.83  4.38 f 5.27  5.29 g 7.62  7.25 h 9.99  9.89

