

# Decimals as fractions

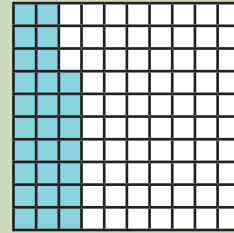
Read and write decimal numbers as fractions



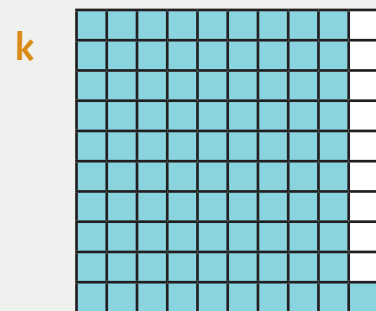
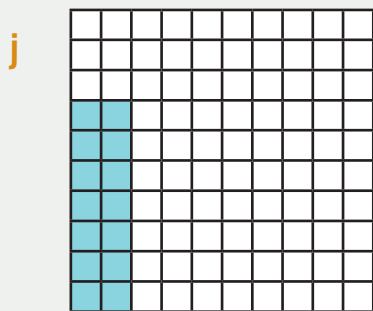
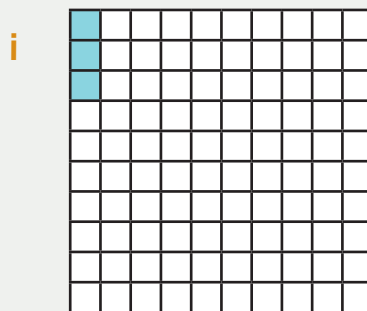
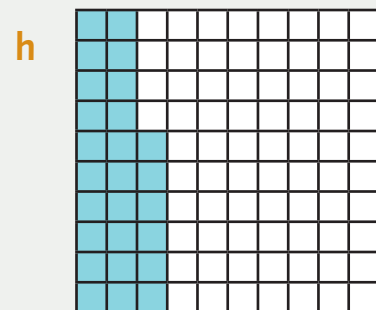
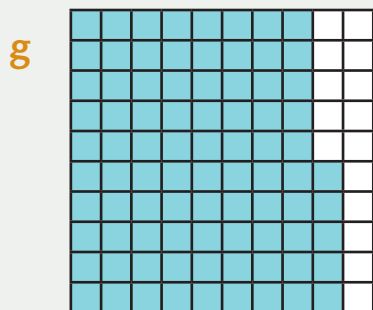
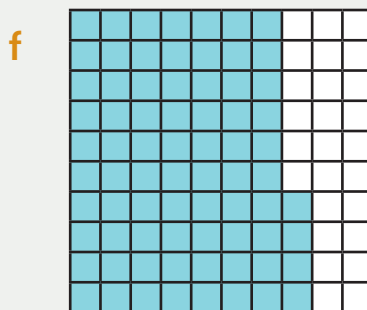
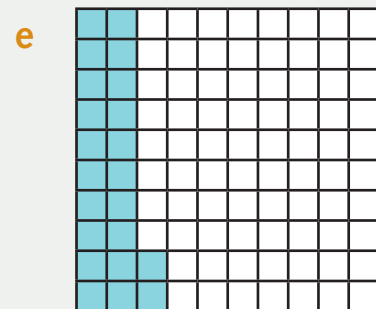
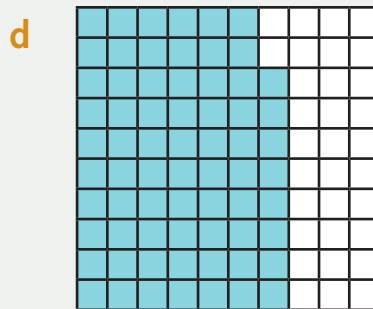
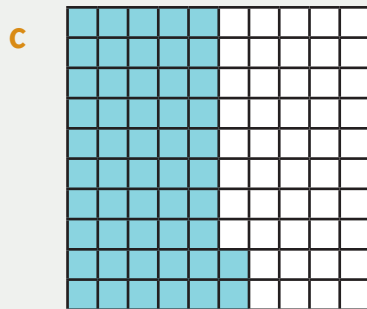
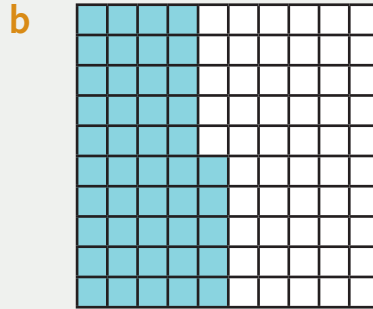
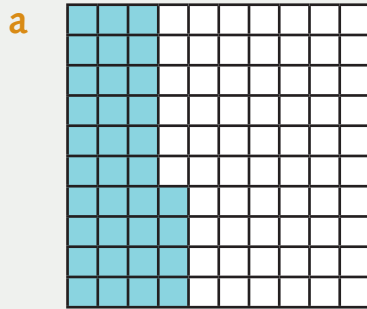
Challenge

Look at each grid. Write the decimal number and the fraction of the shaded area.

Example



$$0.27 = \frac{27}{100}$$



Challenge  
2

1 Write each of these decimal numbers as a fraction.

- a 0.6    b 0.52    c 0.11    d 0.9    e 0.83  
f 0.04    g 0.27    h 0.1    i 0.01    j 0.99

2 Write each of these decimal numbers as a mixed number.

Example  
 $6.35 = 6\frac{35}{100}$

- a 4.1    b 3.98    c 6.26    d 6.9    e 7.41  
f 8.06    g 9.18    h 12.6    i 13.36    j 17.93

3 How are fractions and decimal numbers related?

Challenge  
3

1 Write each of these decimal numbers as a mixed number and then as an improper fraction.

Example  
 $3.72 = 3\frac{72}{100} = \frac{372}{100}$

- a 6.46    b 7.38    c 5.7    d 9.12    e 4.08  
f 6.37    g 3.5    h 6.62    i 8.40    j 9.90

2 Are the decimal numbers in Questions 1 i and 1 j tenths or hundredths? Explain why.

