

# Decimals as fractions

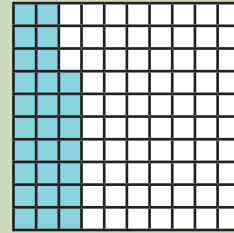
Read and write decimal numbers as fractions



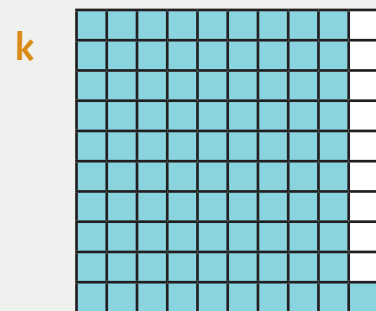
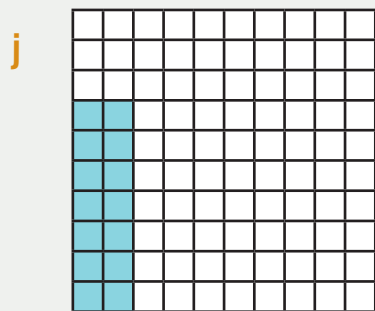
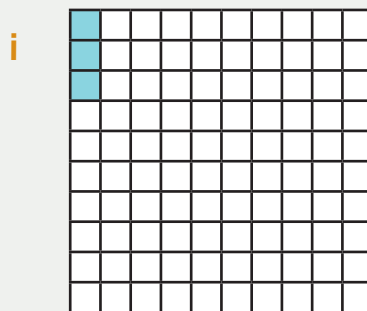
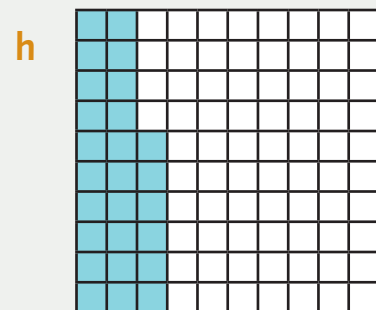
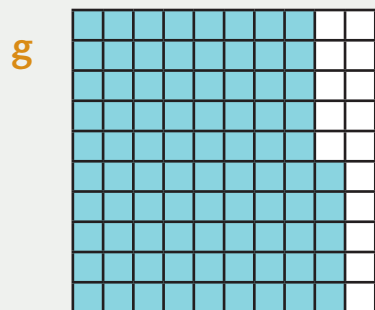
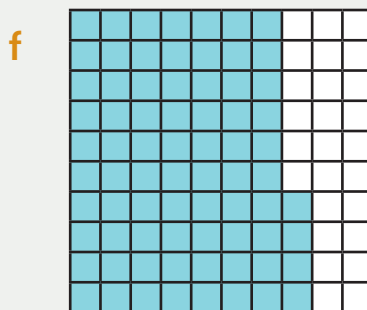
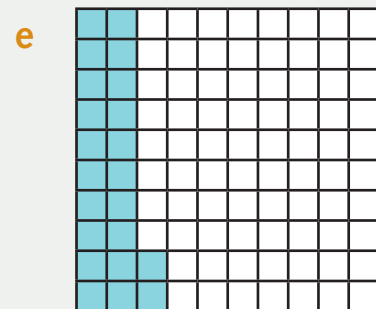
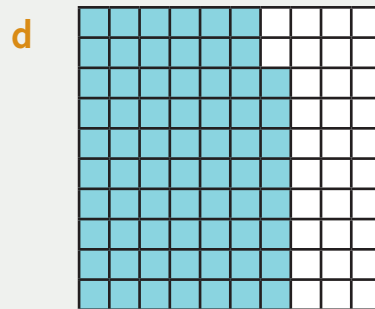
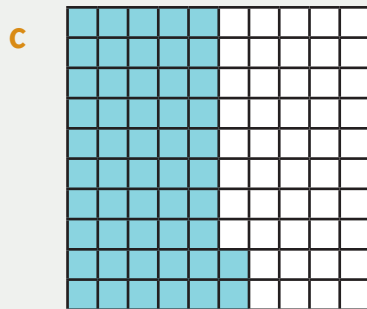
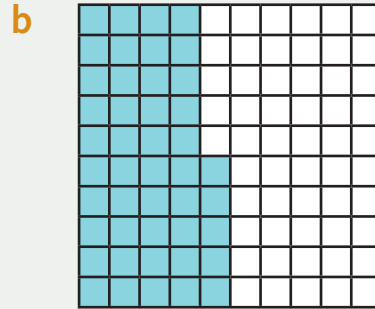
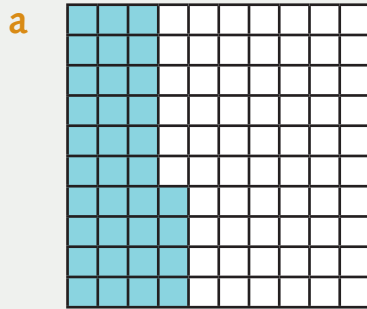
Challenge

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.

