

# Dividing a fraction by a whole number

1 This circle is divided into twelfths.

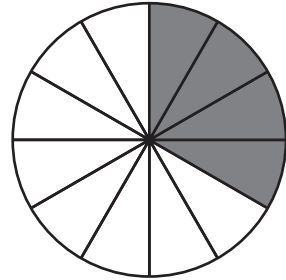
4 of the twelfths can be divided into 2 equal groups.

How many twelfths are there in each group?

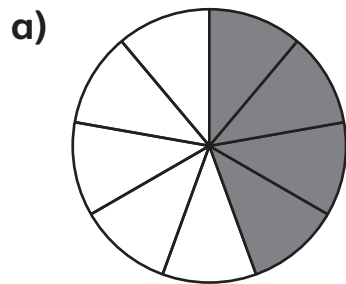
There are  twelfths in each group.

Write this as a division.

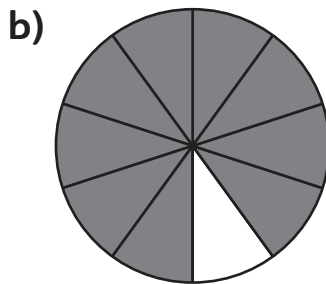
$$\frac{4}{12} \div 2 = \frac{\text{[ ]}}{\text{[ ]}}$$



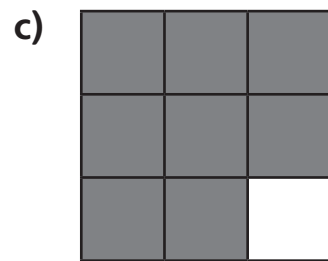
2 Use the diagrams to help you work out the divisions.



$$\frac{4}{9} \div 2 = \frac{\text{[ ]}}{\text{[ ]}}$$



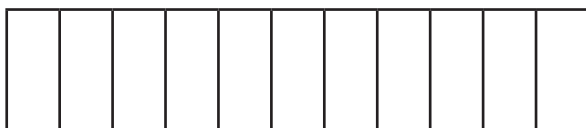
$$\frac{9}{10} \div 3 = \frac{\text{[ ]}}{\text{[ ]}}$$



$$\frac{8}{9} \div 2 = \frac{\text{[ ]}}{\text{[ ]}}$$

3 Work out these divisions.

a)  $\frac{10}{11} \div 5 = \frac{\text{[ ]}}{\text{[ ]}}$



b)  $\frac{4}{5} \div 4 = \frac{\text{[ ]}}{\text{[ ]}}$

