

1 How many:

- a halves in one whole? _____ b quarters in one whole? _____ c twelfths in 1 whole? _____
d thirds in one whole? _____ e sixths in 1 whole? _____ f eighths in 1 whole? _____

2 Complete.

a $\frac{\square}{2} = 1$ b $\frac{\square}{12} = 1$ c $\frac{4}{\square} = 1$ d $\frac{3}{3} = \square$ e $\frac{\square}{6} = 1$

3 a $\frac{1}{2} = \frac{\square}{4}$ b $\frac{1}{3} = \frac{\square}{6}$ c $\frac{1}{6} = \frac{\square}{12}$ d $\frac{1}{4} = \frac{\square}{8}$ e $\frac{1}{2} = \frac{\square}{12}$

4 Use the diagram.

a $1 - \frac{1}{3} = \underline{\hspace{2cm}}$ b $1 - \frac{1}{6} = \underline{\hspace{2cm}}$ c $1 - \frac{3}{4} = \underline{\hspace{2cm}}$ d $1 - \frac{7}{12} = \underline{\hspace{2cm}}$ e $1 - \frac{2}{3} = \underline{\hspace{2cm}}$
f $1 - \frac{4}{8} = \underline{\hspace{2cm}}$ g $1 - \frac{11}{12} = \underline{\hspace{2cm}}$ h $1 - \frac{5}{6} = \underline{\hspace{2cm}}$ i $1 - \frac{6}{8} = \underline{\hspace{2cm}}$ j $1 - \frac{2}{12} = \underline{\hspace{2cm}}$

5 Find a fraction which is equal to:

a $\frac{1}{2} = \underline{\hspace{2cm}}$ b $\frac{1}{3} = \underline{\hspace{2cm}}$ c $\frac{1}{6} = \underline{\hspace{2cm}}$ d $\frac{3}{4} = \underline{\hspace{2cm}}$ e $\frac{5}{6} = \underline{\hspace{2cm}}$ f $\frac{2}{3} = \underline{\hspace{2cm}}$



Fractions on a number line



1 Draw diagrams to show:

a $\frac{1}{3}$

b $\frac{3}{8}$

c $\frac{4}{6}$

2 Write these on the number lines.

a $\frac{1}{3}, \frac{2}{3}$



b $\frac{1}{6}, \frac{3}{6}, \frac{4}{6}$



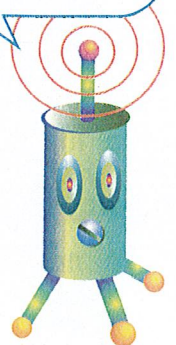
c $\frac{1}{12}, \frac{3}{12}, \frac{7}{12}, \frac{10}{12}$



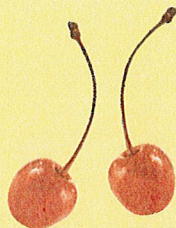
d $\frac{1}{3}, \frac{5}{12}, \frac{5}{6}, \frac{1}{2}$



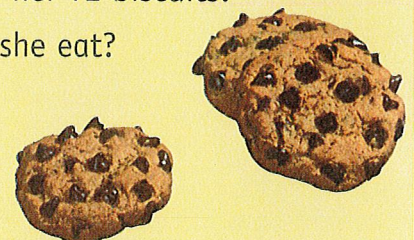
These fractions are all smaller than 1.



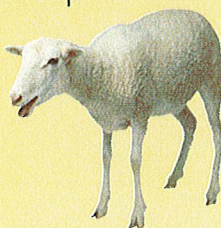
- 3 a John had 6 cherries and gave $\frac{1}{3}$ to Bill.
How many did Bill get?



- b Cherie ate $\frac{1}{4}$ of her 12 biscuits.
How many did she eat?



- c Maisie sold $\frac{1}{6}$ of her 42 sheep.
How many did she sell?



- d Class 5X has $\frac{1}{12}$ of its 36 pupils away ill.
How many are at school?



4 Write your own fraction problem which has an answer of 5 pencils.

