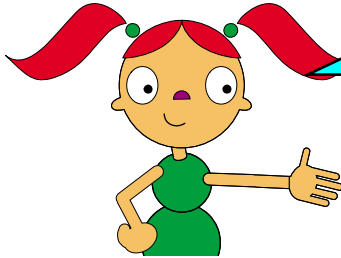
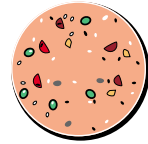


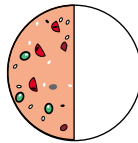
## 5.4 Equivalent fractions



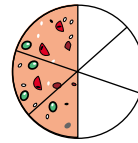
Would you like to have  $\frac{1}{2}$  or  $\frac{3}{6}$  of this pizza?



1 whole

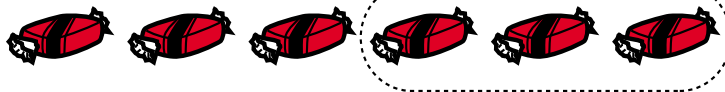


$\frac{1}{2}$

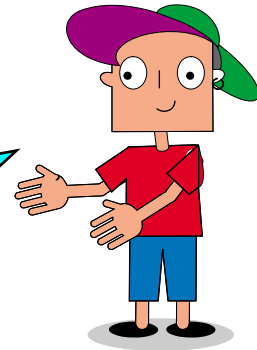


$\frac{3}{6}$

6 chocolates



Would you like to have  $\frac{1}{2}$  or  $\frac{3}{6}$  of the chocolates?



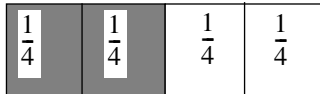
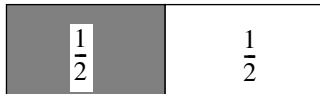
$$\frac{1}{2} = \frac{3}{6}$$



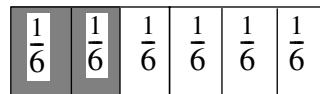
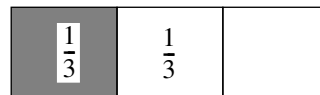
$\frac{1}{2}$  is equal to  $\frac{3}{6}$ .

$\frac{1}{2}$  and  $\frac{3}{6}$  are **equivalent fractions**.

Look at the equivalent fractions below.



$\frac{1}{2}$  is equivalent to  $\frac{2}{4}$ .

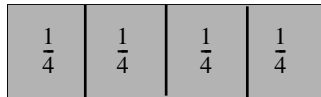
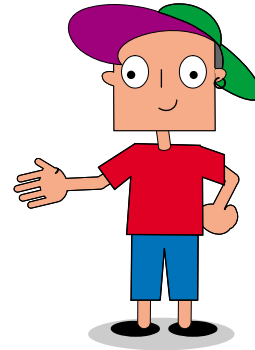


$\frac{1}{3}$  is equivalent to  $\frac{2}{6}$ .

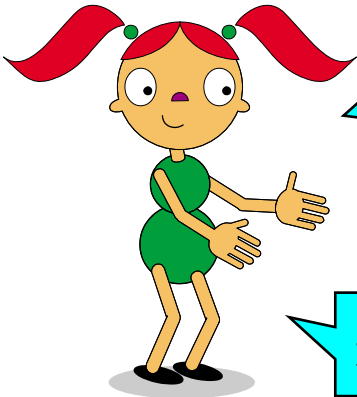


Here are some more equivalent fractions.

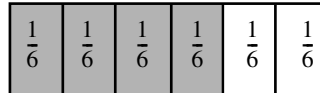
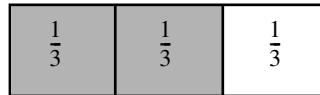
$$1 = \frac{2}{2} = \frac{4}{4}$$



$1$ ,  $\frac{2}{2}$  and  $\frac{4}{4}$  are equivalent fractions.

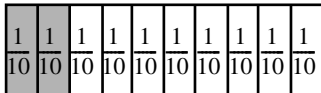
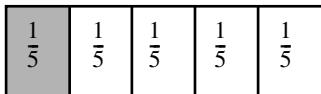


$$\frac{2}{3} = \frac{4}{6}$$

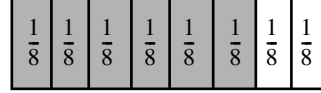
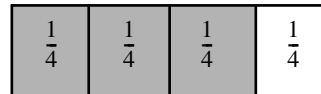


$\frac{2}{3}$  is equivalent to  $\frac{4}{6}$ .

$$\frac{1}{5} = \frac{2}{10} \text{ and } \frac{3}{4} = \frac{6}{8}$$

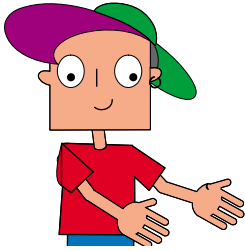


$\frac{1}{5}$  is equivalent to  $\frac{2}{10}$ .



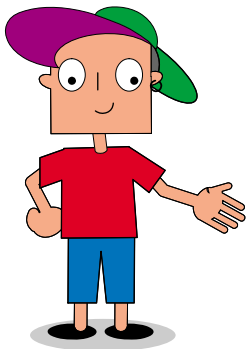
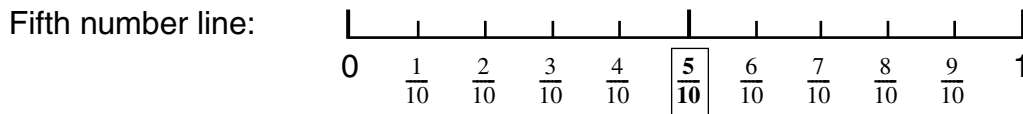
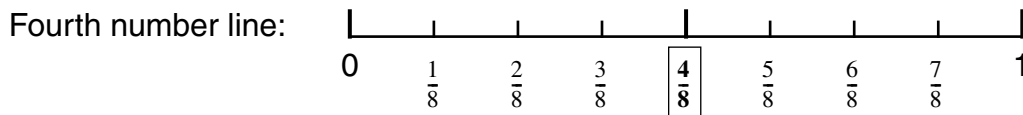
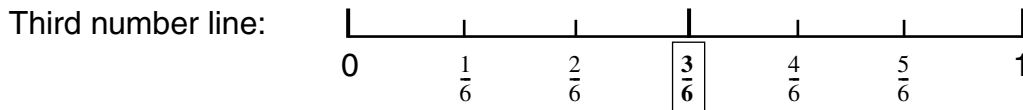
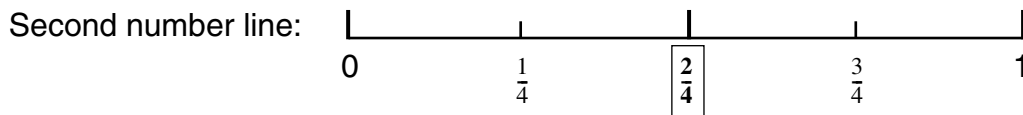
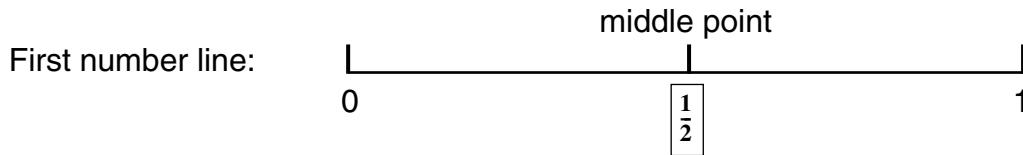
$\frac{3}{4}$  is equivalent to  $\frac{6}{8}$ .





I will start to write down all the fractions which are equivalent to one half.

I will mark them on number lines.



I stopped at  $\frac{5}{10}$ , but I could have drawn more number lines and shown the middle points  $\frac{6}{12}$ ,  $\frac{7}{14}$ ,  $\frac{8}{16}$ , and so on ...

$$\frac{1}{2} = \frac{2}{4} = \frac{3}{6} = \frac{4}{8} = \frac{5}{10} = \frac{6}{12} = \frac{7}{14} = \frac{8}{16} = \dots$$

