

## Equivalent Fractions / Reducing Fractions



Both the circles above have the same amount of grey shaded in. However, the circle on the left has  $\frac{2}{4}$  shaded and the circle on the right has  $\frac{1}{2}$  shaded. These two fractions are equivalent (equal).

Equivalent fractions are common in everyday language.

*"I have one quarter"* means the same as *"I have 25 cents"*

*"I ate a half dozen of eggs"* means *"I ate 6 eggs out of a pack of 12"*

What's an example you've used?

clock: 9:15 or a quarter past 9

### Example 1

- a) Find three equivalent fractions for the fraction  $\frac{1}{3}$ .

$$\frac{1}{3} = \frac{2}{6} = \frac{4}{12}$$

- b) Find two equivalent fractions for  $\frac{7}{8}$ .

$$\frac{7}{8} = \frac{14}{16} = \frac{21}{24}$$