

## Simplify Fractions

1. 3 parts of circle shaded; 9 parts of rectangle shaded
2. 6 sections of the shape need to be shaded.

$$\frac{3}{8} = \frac{6}{16}$$

$$3. \quad \frac{2}{5} = \frac{4}{10} = \frac{8}{20} = \frac{16}{40}$$

4. Jennifer is incorrect. Although the shaded parts look different, they represent the same amount of the shapes. The right shape has  $\frac{8}{24}$  shaded which is equivalent to  $\frac{2}{6}$ .
5. Various answers, for example: A = 16, B = 8 or A = 8, B = 16.
6. Oscar has shaded the B shapes to be equivalent but he has not shaded the A shapes to be equivalent. He has shaded 3 parts of each shape but they do not have the same denominator. The shape on the left has  $\frac{3}{6}$  shaded whereas the shape on the right has  $\frac{3}{9}$  shaded.