

Equivalent fraction models - answers

Worked answers / Keep separate from the student sheet.

1. Show $\frac{1}{3}$ on a unit number line and as an area model. Write an equivalent fraction with denominator 6.

$\frac{1}{3} = \frac{2}{6}$. Place the point 0.33333 of the way from 0 to 1; shade 1 of 3 equal areas.

2. Show $\frac{2}{4}$ on a unit number line and as an area model. Write an equivalent fraction with denominator 8.

$\frac{2}{4} = \frac{4}{8}$. Place the point 0.5 of the way from 0 to 1; shade 2 of 4 equal areas.

3. Show $\frac{3}{5}$ on a unit number line and as an area model. Write an equivalent fraction with denominator 10.

$\frac{3}{5} = \frac{6}{10}$. Place the point 0.6 of the way from 0 to 1; shade 3 of 5 equal areas.

4. Show $\frac{4}{6}$ on a unit number line and as an area model. Write an equivalent fraction with denominator 12.

$\frac{4}{6} = \frac{8}{12}$. Place the point 0.66667 of the way from 0 to 1; shade 4 of 6 equal areas.

5. Show $\frac{5}{7}$ on a unit number line and as an area model. Write an equivalent fraction with denominator 14.

$\frac{5}{7} = \frac{10}{14}$. Place the point 0.71429 of the way from 0 to 1; shade 5 of 7 equal areas.

6. Show $\frac{6}{8}$ on a unit number line and as an area model. Write an equivalent fraction with denominator 16.

$\frac{6}{8} = \frac{12}{16}$. Place the point 0.75 of the way from 0 to 1; shade 6 of 8 equal areas.