



Forlæng og forkort brøker

Opgave 1 Forlæng brøkerne med 5.

$$a. \quad \frac{2}{7} = \frac{2 \cdot 5}{7 \cdot 5} = \frac{10}{25}$$

$$b. \quad \frac{5}{9} = \frac{5 \cdot 5}{9 \cdot 5} = \frac{25}{45}$$

$$c. \quad \frac{x}{3} = \frac{x \cdot 5}{3 \cdot 5} = \frac{5x}{15}$$

$$d. \quad \frac{2}{y} = \frac{2 \cdot 5}{y \cdot 5} = \frac{10}{5y}$$

$$e. \quad \frac{3a}{b} = \frac{3a \cdot 5}{b \cdot 5} = \frac{15a}{5b}$$

Opgave 2 Forkort brøkerne mest muligt.

$$a. \quad \frac{4}{12} = \frac{4 : 4}{12 : 4} = \frac{1}{3}$$

$$b. \quad \frac{35}{28} = \frac{35 : 7}{28 : 7} = \frac{5}{4}$$

$$c. \quad \frac{100}{10000} = \frac{100 : 10}{10000 : 10} = \frac{1}{10}$$

$$d. \quad \frac{1000000}{1000} = \frac{1000000 : 1000}{1000 : 1000} = \frac{1000}{1} = 1000$$

$$e. \quad \frac{1y}{2y} = \frac{1y : y}{2y : y} = \frac{1}{2}$$