

$$a) \frac{10}{2.5} = \frac{\cancel{2.5}}{\cancel{5.5}} = \frac{2}{5}$$

$$\begin{array}{r|l} 10 & 2 \\ 5 & 5 \\ 1 & \end{array}$$

$$\begin{array}{r|l} 25 & 5 \\ 5 & 5 \\ 1 & \end{array}$$

$$d) \frac{40}{50} = \frac{2 \cdot 2 \cdot 2 \cdot \cancel{5}}{2 \cdot \cancel{5} \cdot 5} = \frac{4}{5}$$

$$\begin{array}{r|l} 40 & 2 \\ 20 & 2 \\ 10 & 2 \\ 5 & 5 \\ 1 & \end{array}$$

$$40 = 2^3 \cdot 5$$

$$\begin{array}{r|l} 50 & 2 \\ 25 & 5 \\ 5 & 5 \\ 1 & \end{array}$$

$$50 = 2 \cdot 5^2$$

$$\frac{2^3 \cdot 5}{2 \cdot 5^2} = \frac{2^2}{5} = \frac{4}{5}$$

$$\frac{\cancel{40}}{\cancel{50}} = \frac{4}{5}$$

$$e) \frac{\cancel{250}}{\cancel{60}} = \frac{5^2}{2 \cdot 3} = \frac{25}{6}$$

$$\begin{array}{r} 25 \overline{) 5} \\ 5 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 6 \overline{) 2} \\ 3 \\ \hline 1 \end{array}$$