

⑥ (i) $\frac{3}{4}$ ($=0.75$) (terminating)

$= \frac{3}{2 \times 2} \rightarrow$ only 2 as factor

(ii) $\frac{7}{10}$ ($=0.7$) terminating

$= \frac{7}{2 \times 5} \rightarrow$ only 2 and 5 as factors

(iii) $\frac{1}{25}$ ($=0.04$) terminating

$= \frac{1}{5 \times 5} \rightarrow$ only 5 as factor

(iv) $\frac{11}{100}$ ($=0.11$) terminating

$= \frac{11}{2^2 \times 5^2} \rightarrow$ only 2 and 5 as factors

denominator (q) has only 2 and 5,
only 2 or only 5 as factors
or

q has prime factorisation of the form $2^n 5^m$ where n, m are whole numbers