

Equivalent Fractions



i. Here are some fractions:

$$\frac{2}{4} \quad \frac{4}{8} \quad \frac{2}{3} \quad \frac{7}{14}$$

Which one of these fractions is not equal to $\frac{1}{2}$? Give a reason for your answer.

ii. Reduce each of the following fractions to their simplest form, where possible

- $\frac{3}{9}$
- $\frac{10}{12}$
- $\frac{36}{48}$
- $\frac{4}{20}$
- $\frac{12}{18}$
- $\frac{65}{75}$
- $\frac{24}{30}$
- $\frac{2}{13}$
- $\frac{15}{60}$
- $\frac{45}{50}$

iii. Convert each of the following top-heavy (improper) fractions into a mixed number

- $\frac{3}{2}$
- $\frac{6}{2}$
- $\frac{4}{3}$
- $\frac{25}{6}$
- $\frac{35}{8}$
- $\frac{20}{7}$
- $\frac{36}{27}$
- $\frac{101}{10}$
- $\frac{18}{5}$
- $\frac{73}{9}$

iv. Convert each of the following mixed numbers into a top-heavy (improper) fraction

- $1 \frac{2}{3}$
- $1 \frac{1}{4}$
- $6 \frac{2}{5}$
- $2 \frac{5}{6}$
- $6 \frac{1}{6}$
- $4 \frac{3}{7}$
- $10 \frac{7}{9}$
- $9 \frac{7}{16}$
- $3 \frac{4}{5}$
- $5 \frac{10}{11}$