

Name _____

Class _____

Date _____

Worksheet on Simplifying Fractions

Question 1

Complete these equivalent fractions.

a

$$\frac{1}{2} = \frac{\boxed{}}{\boxed{}}$$

Diagram: A circular arrow from 1 to the numerator box is labeled $\times 3$. A circular arrow from 2 to the denominator box is labeled $\times 3$.

.....

b

$$\frac{5}{6} = \frac{\boxed{}}{\boxed{}}$$

Diagram: A circular arrow from 5 to the numerator box is labeled $\times 4$. A circular arrow from 6 to the denominator box is labeled $\times 4$.

.....

c

$$\frac{6}{10} = \frac{\boxed{}}{\boxed{}}$$

Diagram: A circular arrow from 6 to the numerator box is labeled $\div 2$. A circular arrow from 10 to the denominator box is labeled $\div 2$.

.....

d

$$\frac{20}{25} = \frac{\boxed{}}{\boxed{}}$$

Diagram: A circular arrow from 20 to the numerator box is labeled $\div 5$. A circular arrow from 25 to the denominator box is labeled $\div 5$.

.....

Question 2

Simplify these fractions.

a

$$\frac{30}{40} = \frac{\boxed{}}{\boxed{}}$$

Diagram: A circular arrow from 30 to the numerator box is labeled $\div 10$. A circular arrow from 40 to the denominator box is labeled $\div 10$.

.....

b

$$\frac{20}{50} = \frac{\boxed{}}{\boxed{}}$$

.....

c

$$\frac{25}{30} = \frac{\boxed{}}{\boxed{}}$$

Diagram: A circular arrow from 25 to the numerator box is labeled $\div 5$. A circular arrow from 30 to the denominator box is labeled $\div 5$.

.....

d

$$\frac{20}{55} = \frac{\boxed{}}{\boxed{}}$$

.....

Question 3

Write each fraction in its simplest form.

a $\frac{10}{12}$ **b** $\frac{5}{20}$

c $\frac{12}{20}$ **d** $\frac{60}{100}$

Question 4

Write these improper fractions as mixed numbers.

a $\frac{4}{3}$ **b** $\frac{14}{5}$

c $\frac{17}{6}$ **d** $\frac{13}{8}$