

Name _____

Class _____

Date _____

Worksheet on Simplifying Fractions**Question 1**

Complete these equivalent fractions.

a

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

$\xrightarrow{\times 3}$
 $\xleftarrow{\times 3}$

.....

b

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

$\xrightarrow{\times 4}$
 $\xleftarrow{\times 4}$

.....

c

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

$\xrightarrow{+2}$
 $\xleftarrow{+2}$

.....

d

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

$\xrightarrow{+5}$
 $\xleftarrow{+5}$

.....

Question 2

Simplify these fractions.

a

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

$\xrightarrow{+10}$
 $\xleftarrow{+10}$

.....

b

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

.....

c

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

$\xrightarrow{+5}$
 $\xleftarrow{+5}$

.....

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 | $\frac{13}{8}$ | |